11/13/87 S6270-1

# Ohio Labor Market Information Review

## September 1987

**Summary.** The seasonally adjusted unemployment rate in Ohio was 5.5 percent in September, down sharply from 7.0 percent in August. The nationwide rate of 5.9 percent was slightly lower than the August figure. Ohio's rate is at its lowest point since May 1979, while the U.S. rate last reached its current level in November 1979. Total employment in Ohio rose 24,000, to 4,865,000. The number of unemployed fell 81,000, to 283,000. Nonagricultural wage and salary employment (seasonally adjusted) in Ohio, at 4,599,000, was 12,000 above the August total. (See page 3.)

**Factory Employment.** Ohio factory employment improved for the second consecutive month. Seasonally adjusted manufacturing employment in Ohio was 1,094,000 in September, 6,000 above the August level. Durable-goods employment rose 5,000, to 736,000. Employment in nondurable goods, at 357,000, was up 1,000.

**Nonmanufacturing.** Employment increases of 3,000 in retail trade and 2,000 in services helped boost nonmanufacturing employment 6,000, to 3,506,000 in September. Mining, construction, and transportation and public utilities were unchanged. All other divisions had small increases from August.

**Over the Year.** Between September 1986 and September 1987, total employment in Ohio rose 131,000. The number of unemployed fell 146,000, dropping the unemployment rate from 8.3 percent in September 1986 to 5.5 percent in September 1987. The national rate fell from 7.0 percent to 5.9 percent over the year. Nonagricultural payroll employment rose 111,000 from September 1986. Three-fourths of the gain occurred in services and retail trade. Construction and finance, insurance, and real estate also had significant increases. Manufacturing employment fell 6,000 over the year. Losses in most durable-goods industries, especially transportation equipment, nonelectrical machinery, and fabricated metal products, overshadowed gains in primary metals, lumber and wood products, food and kindred products, and chemicals.

**Factory Hours and Earnings.** Production workers in manufacturing industries in Ohio earned an average of $499.80 per week in September, up $7.43 from August. Their average workweek of 42.5 hours was .2 hours longer. Most industries had higher earnings due to increased overtime. The most notable were motor vehicles and equipment, blast furnace and basic steel products, nonferrous rolling and drawing mills, and metal forgings and stampings.

**Benefits and Costs.** The number of initial claims filed under the Ohio Unemployment Compensation Law in September dropped 18.6 percent from August, to 43,944. This was also 30.2 percent below the September 1986 level. Total benefits paid, at $37.7 million, were down 12.3 percent from August. The average benefit check decreased $1.28, to $147.53. The

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Dr. Roberta Steinbacher, Administrator

average weekly number of benefit recipients fell 15.5 percent, to 60,644. At the end of September, there were 196,665 active employer accounts.

**Employment Service.** The Ohio Bureau of Employment Services assisted 40,724 new job applicants in September, up 1.0 percent from August, but down 16.4 percent from September 1986. Job openings received from employers, at 14,037, were down 16.7 percent from last month. The Employment Services Division made 26,887 job referrals and 7,808 placements.

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## Save Money, Hire A Vet

The Veterans' Job Training Act Program was created to help industry fill permanent positions that involve at least six months of significant training of Korean conflict and Vietnam-era veterans.

* Employers are provided with 50 percent of the starting wage, up to $10,000 per veteran, when they hire and train veterans in a growth industry or a technology-based or demand occupation.

* Training is funded for six to nine months.

* Half the cost of training, up to $10,000, paid directly to the employer, is invoiced quarterly. Small businesses can arrange to invoice monthly.

Contact your nearest local OBES office for further information.

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# Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

| | Estimates (in thousands) | | | Change[b] (in thousands) | | Percent Change[c] | |
|---|---|---|---|---|---|---|---|
| | Sep. 1987 | Aug. 1987 | Sep. 1986 | From Last Month | From Last Year | From Last Month | From Last Year |
| **Household Survey Data[d]** | | | | | | | |
| Civilian Labor Force | 5,148 | 5,205 | 5,163 | -57 | -15 | -1.1 | -0.3 |
| Employment | 4,865 | 4,841 | 4,734 | 24 | 131 | 0.5 | 2.8 |
| Unemployment | 283 | 364 | 429 | -81 | -146 | -22.3 | -34.0 |
| Unemployment Rate | 5.5 | 7.0 | 8.3 | | | | |
| **Employer Survey Data[e]** | | | | | | | |
| Total | 4,599 | 4,587 | 4,488 | 12 | 111 | 0.3 | 2.5 |
| Manufacturing | 1,094 | 1,088 | 1,100 | 6 | -6 | 0.5 | -0.6 |
| Durable Goods | 736 | 731 | 744 | 5 | -8 | 0.7 | -1.1 |
| Nondurable Goods | 357 | 357 | 355 | 1 | 2 | 0.2 | 0.6 |
| Nonmanufacturing | 3,506 | 3,500 | 3,388 | 6 | 118 | 0.2 | 3.5 |
| Mining | 20 | 20 | 22 | 0 | -1 | 0.5 | -6.0 |
| Construction | 175 | 175 | 162 | 0 | 13 | -0.1 | 7.9 |
| Transportation and Public Utilities | 210 | 210 | 208 | 0 | 2 | 0.0 | 1.0 |
| Wholesale Trade | 251 | 250 | 247 | 1 | 4 | 0.4 | 1.8 |
| Retail Trade | 855 | 853 | 826 | 3 | 30 | 0.3 | 3.6 |
| Finance, Insurance and Real Estate | 244 | 244 | 234 | 1 | 10 | 0.2 | 4.4 |
| Services | 1,063 | 1,062 | 1,008 | 2 | 55 | 0.1 | 5.5 |
| Government | 687 | 686 | 682 | 1 | 4 | 0.1 | 0.6 |
| Goods Producing Industries[f] | 1,289 | 1,283 | 1,283 | 6 | 5 | 0.5 | 0.4 |
| Service Producing Industries[g] | 3,311 | 3,304 | 3,205 | 6 | 106 | 0.2 | 3.3 |

[a]Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f]Includes Mining, Construction, and Manufacturing. [g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

## Seasonally Adjusted Estimates[a]

### Ohio Civilian Labor Force Estimates

(in thousands)

| Civilian Labor Force | | | Unemployment Rate | | | Total Nonagricultural | Manufacturing | | |
|---|---|---|---|---|---|---|---|---|---|
| Total | Employed | Unemployed | Ohio | US | | | | Durable | Nondurable |
| | | | | | 1985 | | | | |
| 5,167 | 4,701 | 466 | 9.0 | 7.1 | September | 4,385 | 1,114 | 759 | 355 |
| 5,172 | 4,707 | 465 | 9.0 | 7.1 | October | 4,398 | 1,117 | 762 | 356 |
| 5,192 | 4,727 | 465 | 9.0 | 7.0 | November | 4,410 | 1,120 | 763 | 357 |
| 5,185 | 4,754 | 431 | 8.3 | 7.0 | December | 4,422 | 1,123 | 766 | 357 |
| | | | | | 1986 | | | | |
| 5,218 | 4,759 | 459 | 8.8 | 6.8 | January | 4,438 | 1,124 | 767 | 357 |
| 5,325 | 4,869 | 456 | 8.6 | 7.2 | February | 4,440 | 1,122 | 764 | 357 |
| 5,297 | 4,896 | 401 | 7.6 | 7.2 | March | 4,440 | 1,117 | 760 | 356 |
| 5,248 | 4,823 | 425 | 8.1 | 7.1 | April | 4,459 | 1,117 | 761 | 356 |
| 5,214 | 4,784 | 430 | 8.2 | 7.2 | May | 4,464 | 1,112 | 756 | 356 |
| 5,204 | 4,752 | 452 | 8.7 | 7.1 | June | 4,466 | 1,111 | 755 | 356 |
| 5,204 | 4,777 | 427 | 8.2 | 7.0 | July | 4,472 | 1,103 | 749 | 354 |
| 5,185 | 4,763 | 422 | 8.1 | 6.8 | August | 4,484 | 1,103 | 748 | 355 |
| 5,163 | 4,734 | 429 | 8.3 | 7.0 | September | 4,488 | 1,100 | 744 | 355 |
| 5,214 | 4,810 | 404 | 7.7 | 6.9 | October | 4,497 | 1,094 | 739 | 355 |
| 5,264 | 4,875 | 389 | 7.4 | 6.9 | November | 4,517 | 1,103 | 747 | 356 |
| 5,276 | 4,861 | 415 | 7.9 | 6.7 | December | 4,532 | 1,106 | 750 | 356 |
| | | | | | 1987 | | | | |
| 5,287 | 4,850 | 437 | 8.3 | 6.7 | January | 4,556 | 1,106 | 748 | 358 |
| 5,303 | 4,848 | 455 | 8.6 | 6.7 | February | 4,564 | 1,108 | 750 | 358 |
| 5,215 | 4,824 | 391 | 7.5 | 6.6 | March | 4,563 | 1,099 | 741 | 357 |
| 5,223 | 4,846 | 377 | 7.2 | 6.3 | April | 4,570 | 1,098 | 741 | 357 |
| 5,294 | 4,878 | 416 | 7.9 | 6.3 | May | 4,572 | 1,091 | 735 | 356 |
| 5,237 | 4,859 | 378 | 7.2 | 6.1 | June | 4,567 | 1,084 | 731 | 354 |
| 5,240 | 4,868 | 372 | 7.1 | 6.0 | July | 4,569 | 1,076 | 722 | 354 |
| 5,205 | 4,841 | 364 | 7.0 | 6.0 | August | 4,587 | 1,088 | 731 | 357 |
| 5,148 | 4,865 | 283 | 5.5 | 5.9 | September | 4,599 | 1,094 | 736 | 357 |

### Ohio Nonagricultural Wage & Salary Employment

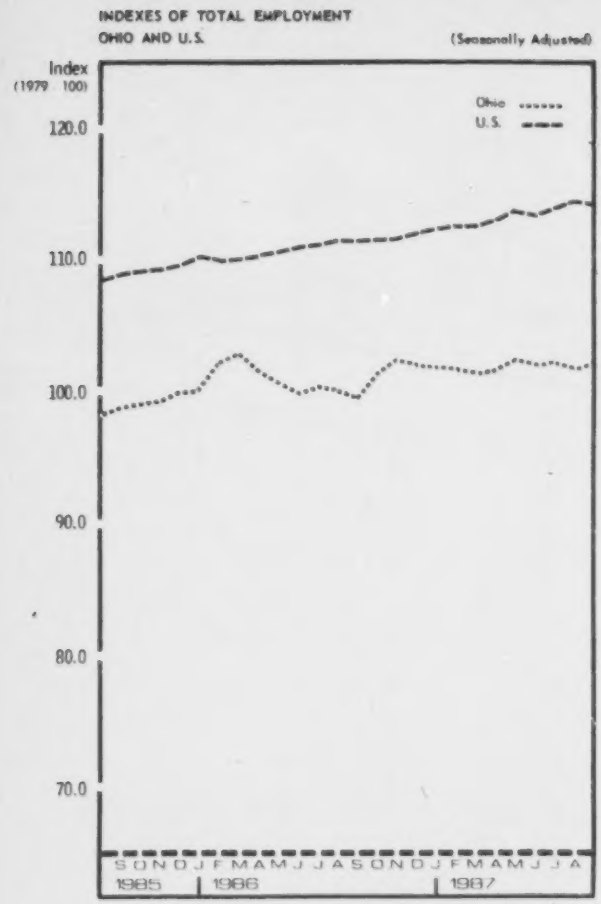
(in thousands)

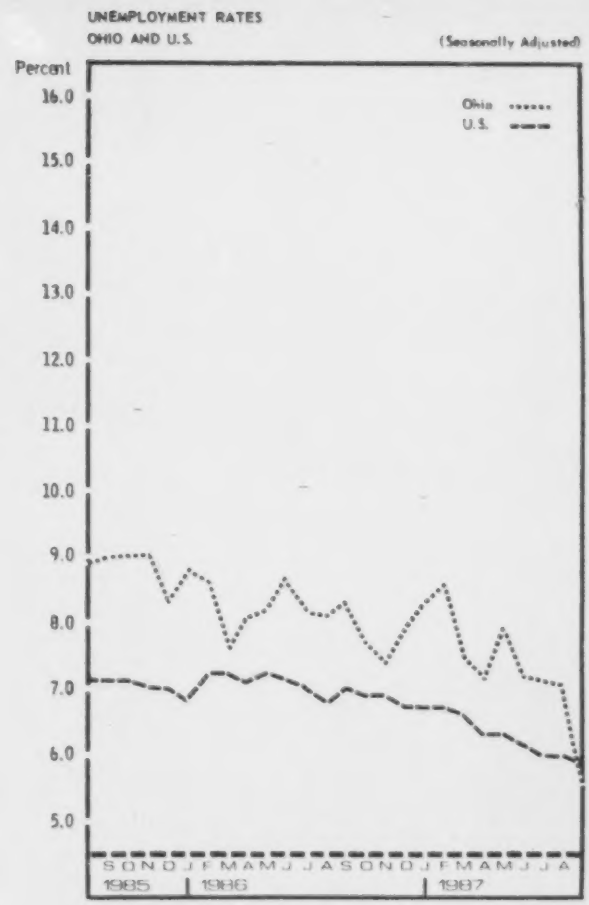
### Ohio Nonmanufacturing Wage & Salary Employment

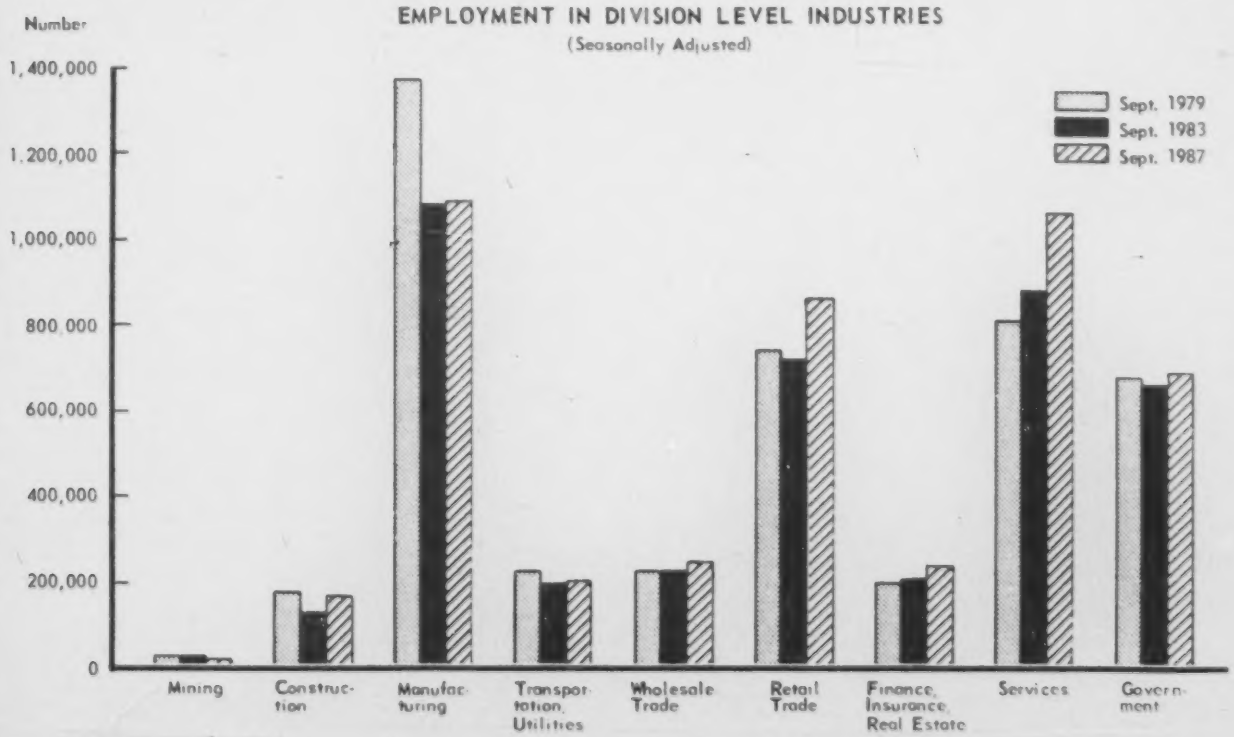
(in thousands)

| Total Nonmanufacturing | Mining | Construction | Transportation & Public Utilities | Wholesale Trade | | Retail Trade | Finance, Insurance & Real Estate | Services | Government |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1985 | | | | |
| 3,272 | 25 | 155 | 202 | 244 | September | 794 | 222 | 959 | 671 |
| 3,280 | 25 | 156 | 202 | 244 | October | 798 | 223 | 962 | 670 |
| 3,290 | 25 | 155 | 203 | 244 | November | 801 | 224 | 965 | 672 |
| 3,300 | 25 | 158 | 203 | 244 | December | 802 | 225 | 969 | 673 |
| | | | | | 1986 | | | | |
| 3,314 | 25 | 158 | 203 | 245 | January | 806 | 226 | 974 | 677 |
| 3,319 | 25 | 158 | 202 | 245 | February | 809 | 227 | 977 | 676 |
| 3,323 | 24 | 156 | 203 | 244 | March | 811 | 227 | 981 | 676 |
| 3,342 | 23 | 161 | 203 | 245 | April | 813 | 229 | 989 | 678 |
| 3,352 | 23 | 161 | 203 | 245 | May | 816 | 231 | 994 | 679 |
| 3,355 | 22 | 160 | 202 | 245 | June | 818 | 231 | 996 | 680 |
| 3,369 | 22 | 160 | 206 | 245 | July | 820 | 233 | 1002 | 680 |
| 3,381 | 22 | 161 | 207 | 246 | August | 824 | 234 | 1005 | 682 |
| 3,388 | 22 | 162 | 208 | 247 | September | 826 | 234 | 1008 | 682 |
| 3,402 | 22 | 162 | 209 | 247 | October | 831 | 236 | 1013 | 682 |
| 3,414 | 22 | 164 | 210 | 247 | November | 833 | 236 | 1020 | 682 |
| 3,426 | 22 | 165 | 210 | 249 | December | 836 | 237 | 1026 | 682 |
| | | | | | 1987 | | | | |
| 3,450 | 22 | 171 | 210 | 249 | January | 840 | 239 | 1032 | 687 |
| 3,456 | 21 | 171 | 211 | 249 | February | 842 | 240 | 1036 | 686 |
| 3,465 | 21 | 170 | 210 | 249 | March | 845 | 240 | 1040 | 688 |
| 3,472 | 21 | 171 | 211 | 249 | April | 846 | 242 | 1045 | 688 |
| 3,481 | 21 | 173 | 211 | 250 | May | 847 | 242 | 1050 | 689 |
| 3,483 | 20 | 174 | 210 | 249 | June | 847 | 242 | 1052 | 689 |
| 3,493 | 20 | 174 | 210 | 250 | July | 850 | 243 | 1060 | 686 |
| 3,500 | 20 | 175 | 210 | 250 | August | 853 | 244 | 1062 | 686 |
| 3,506 | 20 | 175 | 210 | 251 | September | 855 | 244 | 1063 | 687 |

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.


INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)
Index
(1979 100)
120.0
110.0
100.0
90.0
80.0
70.0
Ohio
U.S.
S O N D J F M A M J J A S O N D J F M A M J J A
1985
1986
1987


UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)
Percent
16.0
15.0
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
Ohio
U.S.
S O N D J F M A M J J A S O N D J F M A M J J A
1985
1986
1987


EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)
Number
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
Sept. 1979
Sept. 1983
Sept. 1987
Mining
Construction
Manufacturing
Transportation, Utilities
Wholesale Trade
Retail Trade
Finance, Insurance, Real Estate
Services
Government

# Nonseasonally Adjusted Estimates[a]

## Ohio Civilian Labor Force Estimates

(in thousands)

| Civilian Labor Force | | | Unemployment Rate | | |
|---|---|---|---|---|---|
| Total | Employed | Unemployed | Ohio | U.S. | |
| 4,751 | 4,380 | 370 | 7.8 | 7.7 | 1976 |
| 4,833 | 4,520 | 312 | 6.5 | 7.1 | 1977 |
| 4,959 | 4,690 | 268 | 5.4 | 6.1 | 1978 |
| 5,059 | 4,760 | 299 | 5.9 | 5.8 | 1979 |
| 5,089 | 4,663 | 426 | 8.4 | 7.1 | 1980 |
| 5,100 | 4,608 | 492 | 9.6 | 7.6 | 1981 |
| 5,114 | 4,474 | 640 | 12.5 | 9.7 | 1982 |
| 5,099 | 4,478 | 621 | 12.2 | 9.6 | 1983 |
| 5,089 | 4,609 | 480 | 9.4 | 7.5 | 1984 |
| 5,139 | 4,684 | 456 | 8.9 | 7.2 | 1985 |
| 5,234 | 4,809 | 426 | 8.1 | 7.0 | 1986 |
| | | | | | 1986 |
| 5,189 | 4,755 | 434 | 8.4 | 6.8 | September |
| 5,263 | 4,855 | 408 | 7.8 | 6.6 | October |
| 5,282 | 4,894 | 388 | 7.3 | 6.6 | November |
| 5,259 | 4,841 | 418 | 7.9 | 6.3 | December |
| | | | | | 1987 |
| 5,196 | 4,744 | 452 | 8.7 | 7.3 | January |
| 5,205 | 4,732 | 473 | 9.1 | 7.2 | February |
| 5,154 | 4,749 | 405 | 7.9 | 6.9 | March |
| 5,205 | 4,837 | 367 | 7.1 | 6.2 | April |
| 5,264 | 4,892 | 372 | 7.1 | 6.1 | May |
| 5,293 | 4,909 | 384 | 7.3 | 6.3 | June |
| 5,325 | 4,967 | 358 | 6.7 | 6.1 | July |
| 5,272 | 4,908 | 364 | 6.9 | 5.8 | August |
| 5,171 | 4,885 | 287 | 5.5 | 5.7 | September |

## Ohio Nonagricultural Wage & Salary Employment

(in thousands)

| Total Nonagricultural | | | | |
|---|---|---|---|---|
| | Manufacturing | | | |
| | | Durable | Nondurable | |
| 4,094.6 | 1,295.3 | 910.6 | 384.6 | 1976 |
| 4,230.1 | 1,344.1 | 945.2 | 398.9 | 1977 |
| 4,394.9 | 1,377.2 | 974.5 | 402.7 | 1978 |
| 4,484.8 | 1,382.3 | 980.5 | 401.8 | 1979 |
| 4,367.4 | 1,264.3 | 882.6 | 381.8 | 1980 |
| 4,317.7 | 1,232.6 | 860.4 | 372.2 | 1981 |
| 4,124.3 | 1,099.9 | 752.4 | 347.5 | 1982 |
| 4,092.5 | 1,066.0 | 723.6 | 342.4 | 1983 |
| 4,260.2 | 1,127.0 | 773.4 | 353.6 | 1984 |
| 4,372.9 | 1,124.3 | 768.7 | 355.5 | 1985 |
| 4,475.2 | 1,109.3 | 753.2 | 356.1 | 1986 |
| | | | | 1986 |
| 4,531.8 | 1,109.4 | 748.0 | 361.4 | September |
| 4,546.2 | 1,098.4 | 741.5 | 356.9 | October |
| 4,563.9 | 1,105.8 | 749.1 | 356.7 | November |
| 4,569.4 | 1,106.3 | 749.6 | 356.7 | December |
| | | | | 1987 |
| 4,466.2 | 1,095.7 | 741.2 | 354.6 | January |
| 4,467.2 | 1,096.0 | 742.4 | 353.6 | February |
| 4,492.3 | 1,092.1 | 738.4 | 353.6 | March |
| 4,556.9 | 1,094.4 | 740.1 | 354.3 | April |
| 4,600.3 | 1,091.0 | 736.4 | 354.5 | May |
| 4,614.8 | 1,091.8 | 736.4 | 355.4 | June |
| 4,576.6 | 1,078.8 | 723.4 | 355.3 | July |
| 4,595.4 | 1,092.0 | 731.6 | 360.4 | August |
| 4,645.6 | 1,103.3 | 739.8 | 363.5 | September |

## Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

| Total Nonmanufacturing | Mining | Construction | Transportation & Public Utilities | Wholesale Trade | |
|---|---|---|---|---|---|
| 2,799.3 | 28.2 | 154.2 | 213.7 | 208.4 | 1976 |
| 2,886.0 | 29.1 | 162.8 | 219.1 | 214.6 | 1977 |
| 3,017.7 | 29.0 | 176.6 | 225.0 | 226.0 | 1978 |
| 3,102.5 | 31.6 | 182.9 | 232.1 | 232.8 | 1979 |
| 3,103.0 | 30.7 | 167.4 | 223.1 | 230.6 | 1980 |
| 3,085.1 | 30.7 | 153.7 | 217.2 | 232.5 | 1981 |
| 3,024.4 | 30.3 | 134.6 | 206.8 | 226.0 | 1982 |
| 3,026.5 | 26.6 | 130.8 | 198.5 | 222.5 | 1983 |
| 3,133.1 | 27.8 | 144.8 | 203.9 | 236.7 | 1984 |
| 3,248.6 | 26.1 | 154.0 | 202.7 | 243.7 | 1985 |
| 3,366.0 | 22.7 | 160.8 | 205.5 | 246.0 | 1986 |
| | | | | | 1986 |
| 3,422.4 | 22.1 | 180.0 | 210.8 | 247.6 | September |
| 3,447.7 | 22.0 | 180.3 | 211.4 | 248.2 | October |
| 3,458.0 | 22.1 | 174.2 | 211.2 | 248.9 | November |
| 3,463.1 | 21.8 | 163.1 | 211.5 | 249.1 | December |
| | | | | | 1987 |
| 3,370.4 | 21.2 | 144.7 | 205.1 | 246.7 | January |
| 3,371.2 | 20.7 | 139.6 | 205.8 | 246.1 | February |
| 3,400.3 | 20.5 | 145.6 | 206.6 | 246.9 | March |
| 3,462.5 | 20.3 | 160.7 | 209.4 | 248.5 | April |
| 3,509.3 | 20.4 | 173.8 | 210.8 | 249.8 | May |
| 3,523.0 | 20.4 | 182.5 | 211.9 | 251.4 | June |
| 3,497.9 | 20.6 | 190.8 | 212.1 | 251.6 | July |
| 3,503.4 | 20.6 | 194.8 | 212.5 | 252.0 | August |
| 3,542.3 | 20.8 | 194.2 | 212.8 | 252.0 | September |

| Retail Trade | Finance, Insurance, & Real Estate | Services | Government |
|---|---|---|---|
| 682.4 | 177.0 | 703.2 | 632.2 |
| 703.2 | 183.4 | 731.4 | 642.3 |
| 730.4 | 191.1 | 772.1 | 667.5 |
| 742.4 | 200.6 | 806.2 | 674.0 |
| 726.6 | 203.8 | 830.9 | 689.9 |
| 717.7 | 205.8 | 851.6 | 676.0 |
| 703.4 | 206.4 | 857.3 | 659.6 |
| 711.0 | 207.8 | 873.3 | 656.1 |
| 748.0 | 211.5 | 905.2 | 655.2 |
| 787.9 | 219.3 | 949.5 | 665.2 |
| 820.5 | 231.8 | 998.8 | 679.8 |
| | | | 1986 |
| 834.9 | 235.4 | 1,021.7 | 670.0 |
| 839.5 | 235.4 | 1,019.1 | 691.8 |
| 850.9 | 236.0 | 1,018.7 | 696.1 |
| 865.1 | 237.1 | 1,017.4 | 698.0 |
| | | | 1987 |
| 821.3 | 236.6 | 1,006.1 | 688.8 |
| 810.4 | 237.4 | 1,014.1 | 697.2 |
| 817.0 | 238.3 | 1,023.5 | 701.9 |
| 835.5 | 240.4 | 1,047.5 | 700.1 |
| 848.4 | 242.0 | 1,059.5 | 704.6 |
| 854.6 | 244.3 | 1,069.9 | 688.0 |
| 855.9 | 246.3 | 1,072.8 | 647.8 |
| 861.2 | 246.8 | 1,073.2 | 642.2 |
| 864.0 | 245.7 | 1,077.9 | 674.9 |

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

## Employment, Hours & Earnings in Manufacturing in Ohio*

**Manufacturing Employment**
(in thousands)

| Manufacturing | | | | **Production Workers in Manufacturing** | | |
|---|---|---|---|---|---|---|
| | Durable Goods | Nondurable Goods | | Production Workers (in thous.) | Aggregate Weekly Payroll (in millions) | Aggregate Weekly Hours (in millions) |
| 1,295.3 | 910.6 | 384.6 | 1976 | 926.1 | 233.9 | 38.2 |
| 1,344.1 | 945.2 | 398.9 | 1977 | 958.0 | 271.2 | 40.2 |
| 1,377.2 | 974.5 | 402.7 | 1978 | 985.5 | 302.5 | 41.5 |
| 1,382.3 | 980.5 | 401.8 | 1979 | 979.0 | 318.5 | 40.6 |
| 1,264.3 | 882.6 | 381.8 | 1980 | 867.8 | 301.9 | 35.2 |
| 1,232.6 | 860.4 | 372.2 | 1981 | 847.7 | 330.4 | 34.7 |
| 1,099.9 | 752.4 | 347.5 | 1982 | 735.7 | 297.1 | 29.5 |
| 1,066.0 | 723.6 | 342.4 | 1983 | 721.6 | 315.4 | 29.9 |
| 1,127.0 | 773.4 | 353.6 | 1984 | 781.5 | 362.3 | 33.1 |
| 1,124.3 | 768.7 | 355.5 | 1985 | 773.4 | 369.7 | 32.5 |
| 1,109.3 | 753.2 | 356.1 | 1986 | 758.0 | 368.9 | 31.9 |
| | | | 1986 | | | |
| 1,109.4 | 748.0 | 361.4 | September | 756.4 | 368.6 | 32.0 |
| 1,098.4 | 741.5 | 356.9 | October | 746.3 | 360.9 | 31.3 |
| 1,105.8 | 749.1 | 356.7 | November | 755.2 | 375.4 | 32.2 |
| 1,106.3 | 749.6 | 356.7 | December | 755.4 | 383.8 | 32.6 |
| | | | 1987 | | | |
| 1,095.7 | 741.2 | 354.6 | January | 746.3 | 375.1 | 31.9 |
| 1,096.0 | 742.4 | 353.6 | February | 747.3 | 373.0 | 31.7 |
| 1,092.1 | 738.4 | 353.6 | March | 744.9 | 371.4 | 31.7 |
| 1,094.4 | 740.1 | 354.3 | April | 748.5 | 369.0 | 31.5 |
| 1,091.0 | 736.4 | 354.5 | May | 745.2 | 370.9 | 31.7 |
| 1,091.8 | 736.4 | 355.4 | June | 745.5 | 371.6 | 31.8 |
| 1,078.8 | 723.4 | 355.3 | July | 731.6 | 355.0 | 30.7 |
| 1,092.0 | 731.6 | 360.4 | August | 745.4 | 367.0 | 31.5 |
| 1,103.3 | 739.8 | 363.5 | September | 756.6 | 378.1 | 32.2 |

**Production Workers Average Weekly Earnings**

| Manufacturing | | | | **Production Workers Average Weekly Hours** | | | | **Production Workers Average Hourly Earnings** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Durable Goods | Nondurable Goods | | Manufacturing | | | | Manufacturing | | | |
| | | | | | Durable Goods | Nondurable Goods | | | Durable Goods | Nondurable Goods | |
| $252.54 | $258.75 | $235.00 | 1976 | 41.2 | 41.4 | 41.3 | 1976 | $6.10 | $6.25 | $5.69 | |
| 283.08 | 292.02 | 258.34 | 1977 | 42.0 | 42.2 | 41.4 | 1977 | 6.74 | 6.92 | 6.24 | |
| 306.91 | 316.83 | 279.30 | 1978 | 42.1 | 42.3 | 41.5 | 1978 | 7.29 | 7.49 | 6.73 | |
| 325.36 | 335.30 | 297.78 | 1979 | 41.5 | 41.6 | 41.1 | 1979 | 7.84 | 8.06 | 7.25 | |
| 347.94 | 358.57 | 319.99 | 1980 | 40.6 | 40.7 | 40.2 | 1980 | 8.57 | 8.81 | 7.96 | |
| 389.78 | 401.64 | 358.16 | 1981 | 40.9 | 40.9 | 40.7 | 1981 | 9.53 | 9.82 | 8.80 | |
| 403.81 | 414.80 | 378.95 | 1982 | 40.1 | 40.0 | 40.4 | 1982 | 10.07 | 10.37 | 9.38 | |
| 437.18 | 452.35 | 402.52 | 1983 | 41.4 | 41.5 | 41.2 | 1983 | 10.56 | 10.90 | 9.77 | |
| 463.61 | 482.38 | 417.83 | 1984 | 42.3 | 42.5 | 41.7 | 1984 | 10.96 | 11.35 | 10.02 | |
| 477.96 | 499.56 | 425.80 | 1985 | 42.0 | 42.3 | 41.3 | 1985 | 11.38 | 11.81 | 10.31 | |
| 486.68 | 507.95 | 439.71 | 1986 | 42.1 | 42.4 | 41.6 | 1986 | 11.56 | 11.98 | 10.57 | |
| | | | 1986 | | | | 1986 | | | | |
| 487.30 | 507.03 | 443.72 | September | 42.3 | 42.5 | 41.9 | September | 11.52 | 11.93 | 10.59 | |
| 483.53 | 502.25 | 444.52 | October | 41.9 | 42.1 | 41.7 | October | 11.54 | 11.93 | 10.66 | |
| 497.14 | 517.80 | 449.40 | November | 42.6 | 42.9 | 42.0 | November | 11.67 | 12.07 | 10.70 | |
| 508.15 | 531.14 | 454.92 | December | 43.1 | 43.5 | 42.2 | December | 11.79 | 12.21 | 10.78 | |
| | | | 1987 | | | | 1987 | | | | |
| 502.58 | 524.96 | 449.53 | January | 42.7 | 43.1 | 41.7 | January | 11.77 | 12.18 | 10.78 | |
| 499.05 | 520.88 | 446.71 | February | 42.4 | 42.8 | 41.4 | February | 11.77 | 12.17 | 10.79 | |
| 498.53 | 519.95 | 448.86 | March | 42.5 | 42.9 | 41.6 | March | 11.73 | 12.12 | 10.79 | |
| 492.99 | 514.25 | 443.72 | April | 42.1 | 42.5 | 41.2 | April | 11.71 | 12.10 | 10.77 | |
| 497.68 | 517.45 | 450.78 | May | 42.5 | 42.8 | 41.7 | May | 11.71 | 12.09 | 10.81 | |
| 498.42 | 517.37 | 453.95 | June | 42.6 | 42.9 | 41.8 | June | 11.70 | 12.06 | 10.86 | |
| 485.20 | 501.76 | 450.02 | July | 41.9 | 42.2 | 41.4 | July | 11.58 | 11.89 | 10.87 | |
| 492.37 | 510.00 | 453.36 | August | 42.3 | 42.5 | 41.9 | August | 11.64 | 12.00 | 10.82 | |
| 499.80 | 517.16 | 460.40 | September | 42.5 | 42.6 | 42.2 | September | 11.76 | 12.14 | 10.91 | |

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

# Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio*

## Employment

(in thousands)

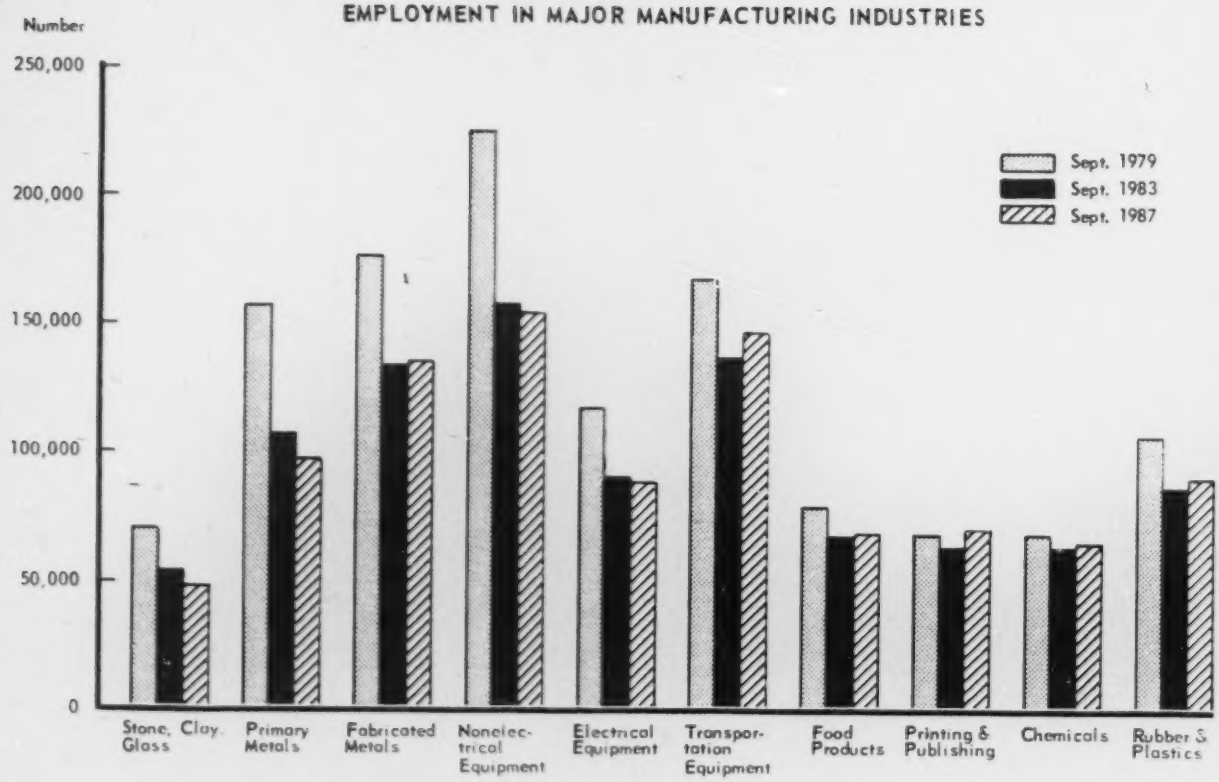
| Stone, Clay, & Glass Products | Primary Metal Industries | Fabricated Metal Products | | Machinery, Except Electrical | Electric & Electronic Equipment | Transportation Equipment | | Food & Kindred Products | Printing & Publishing | Rubber & Plastics Products |
|---|---|---|---|---|---|---|---|---|---|---|
| 66.3 | 154.6 | 157.9 | 1976 | 205.9 | 115.5 | 143.0 | 1976 | 73.8 | 64.5 | 98.2 |
| 67.1 | 157.7 | 166.5 | 1977 | 210.7 | 120.9 | 151.8 | 1977 | 74.4 | 65.4 | 107.4 |
| 69.3 | 157.5 | 173.3 | 1978 | 216.7 | 122.2 | 164.1 | 1978 | 74.6 | 66.6 | 107.4 |
| 69.7 | 158.9 | 175.5 | 1979 | 223.6 | 117.6 | 165.8 | 1979 | 74.4 | 67.6 | 106.7 |
| 64.3 | 139.8 | 157.6 | 1980 | 211.4 | 106.4 | 139.1 | 1980 | 72.7 | 67.4 | 92.7 |
| 61.0 | 138.3 | 154.9 | 1981 | 204.2 | 101.9 | 136.9 | 1981 | 69.2 | 66.1 | 89.0 |
| 54.2 | 112.7 | 134.9 | 1982 | 176.7 | 93.4 | 121.7 | 1982 | 66.9 | 63.2 | 80.4 |
| 52.1 | 104.1 | 129.7 | 1983 | 154.3 | 89.4 | 132.1 | 1983 | 63.4 | 62.8 | 82.7 |
| 52.5 | 108.9 | 138.7 | 1984 | 167.3 | 93.1 | 144.9 | 1984 | 62.8 | 65.1 | 90.8 |
| 50.4 | 101.8 | 139.5 | 1985 | 166.2 | 90.7 | 151.2 | 1985 | 62.9 | 66.8 | 91.4 |
| 49.4 | 95.4 | 136.8 | 1986 | 158.7 | 89.8 | 153.5 | 1986 | 62.6 | 68.6 | 91.5 |
| | | | 1986 | | | | 1986 | | | |
| 50.4 | 90.1 | 137.2 | September | 158.1 | 90.1 | 151.2 | September | 66.6 | 69.3 | 91.7 |
| 48.6 | 90.9 | 136.0 | October | 152.7 | 90.1 | 152.5 | October | 63.1 | 69.4 | 90.6 |
| 49.2 | 93.6 | 136.3 | November | 156.0 | 90.2 | 153.8 | November | 62.4 | 69.4 | 90.9 |
| 49.0 | 94.1 | 136.0 | December | 156.1 | 90.2 | 154.4 | December | 62.7 | 69.1 | 91.3 |
| | | | 1987 | | | | 1987 | | | |
| 47.8 | 93.8 | 134.3 | January | 155.0 | 90.6 | 151.7 | January | 62.0 | 68.8 | 91.3 |
| 47.9 | 95.5 | 133.5 | February | 154.1 | 89.8 | 153.6 | February | 61.5 | 69.1 | 90.8 |
| 47.7 | 96.7 | 133.3 | March | 153.8 | 89.0 | 148.9 | March | 61.5 | 69.1 | 90.4 |
| 48.0 | 96.7 | 132.5 | April | 153.5 | 88.0 | 151.6 | April | 62.2 | 69.3 | 89.8 |
| 48.2 | 95.5 | 131.8 | May | 153.2 | 87.3 | 150.3 | May | 62.7 | 69.3 | 88.9 |
| 48.4 | 95.9 | 133.2 | June | 153.6 | 87.5 | 147.1 | June | 62.7 | 69.3 | 88.8 |
| 47.8 | 94.4 | 130.4 | July | 151.7 | 87.6 | 140.7 | July | 63.2 | 69.8 | 88.0 |
| 48.3 | 96.2 | 131.6 | August | 152.2 | 87.0 | 144.2 | August | 66.9 | 70.1 | 88.8 |
| 48.3 | 98.0 | 133.5 | September | 153.5 | 87.8 | 146.1 | September | 67.8 | 70.1 | 89.8 |

## Average Weekly Earnings of Production Workers

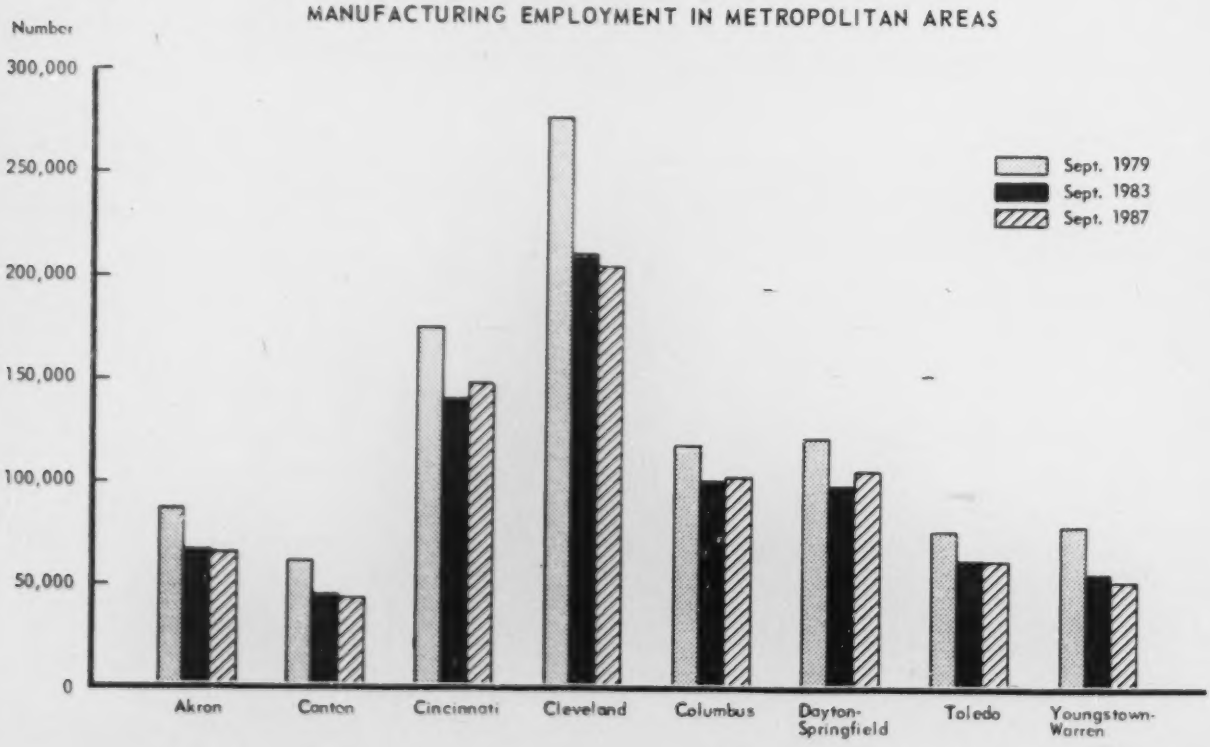
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| $232.40 | $294.58 | $256.68 | 1976 | $253.31 | $221.54 | $302.87 | 1976 | $242.92 | $252.20 | $237.30 |
| 253.95 | 329.54 | 290.44 | 1977 | 279.18 | 248.44 | 359.20 | 1977 | 258.54 | 271.96 | 263.97 |
| 274.81 | 366.24 | 307.23 | 1978 | 306.16 | 268.45 | 389.66 | 1978 | 281.15 | 285.18 | 282.73 |
| 293.34 | 395.43 | 323.38 | 1979 | 329.09 | 289.27 | 391.56 | 1979 | 304.50 | 302.62 | 300.66 |
| 315.43 | 422.01 | 349.34 | 1980 | 352.77 | 316.31 | 414.83 | 1980 | 329.85 | 320.92 | 323.61 |
| 348.02 | 484.04 | 389.61 | 1981 | 389.16 | 350.27 | 471.50 | 1981 | 362.75 | 347.70 | 368.67 |
| 376.88 | 480.54 | 398.77 | 1982 | 392.63 | 366.56 | 506.99 | 1982 | 386.04 | 358.45 | 381.11 |
| 400.57 | 503.85 | 460.65 | 1983 | 424.09 | 394.63 | 557.92 | 1983 | 403.79 | 375.52 | 412.25 |
| 419.15 | 537.21 | 475.30 | 1984 | 467.61 | 420.65 | 603.46 | 1984 | 419.19 | 386.30 | 419.99 |
| 434.30 | 548.83 | 492.15 | 1985 | 475.58 | 433.30 | 635.26 | 1985 | 413.25 | 395.14 | 429.17 |
| 443.81 | 559.93 | 494.91 | 1986 | 485.18 | 459.80 | 632.06 | 1986 | 416.83 | 410.70 | 438.96 |
| | | | 1986 | | | | 1986 | | | |
| 447.62 | 559.68 | 494.38 | September | 485.41 | 464.88 | 629.31 | September | 420.33 | 417.40 | 441.34 |
| 447.44 | 563.50 | 488.36 | October | 482.58 | 456.77 | 610.76 | October | 426.72 | 418.95 | 443.23 |
| 442.08 | 583.73 | 503.01 | November | 492.33 | 471.33 | 646.46 | November | 423.85 | 429.37 | 447.38 |
| 441.00 | 596.23 | 515.70 | December | 510.82 | 489.89 | 656.48 | December | 436.77 | 429.46 | 444.19 |
| | | | 1987 | | | | 1987 | | | |
| 441.31 | 593.61 | 515.91 | January | 498.53 | 473.61 | 647.91 | January | 438.46 | 416.96 | 443.59 |
| 440.67 | 590.46 | 510.27 | February | 499.80 | 457.47 | 646.46 | February | 435.77 | 420.53 | 433.82 |
| 449.35 | 587.80 | 506.75 | March | 506.32 | 463.29 | 640.46 | March | 436.60 | 415.56 | 438.35 |
| 447.68 | 595.35 | 491.82 | April | 495.33 | 461.61 | 630.08 | April | 430.56 | 414.02 | 431.38 |
| 457.52 | 594.49 | 495.33 | May | 497.14 | 463.14 | 634.04 | May | 440.11 | 418.88 | 435.27 |
| 453.46 | 599.86 | 501.50 | June | 505.36 | 457.32 | 628.65 | June | 445.79 | 422.28 | 441.58 |
| 446.42 | 597.64 | 473.20 | July | 494.89 | 449.21 | 604.07 | July | 434.92 | 420.81 | 436.60 |
| 440.96 | 603.90 | 484.26 | August | 489.41 | 458.43 | 628.00 | August | 435.11 | 432.06 | 443.65 |
| 458.15 | 626.05 | 488.46 | September | 489.83 | 452.79 | 641.52 | September | 451.29 | 443.52 | 439.07 |

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

## EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES




## MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



# Nonagricultural Wage & Salary Employment[a]

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | September 1987[b] | August 1987[c] | September 1986[c] | From Last Month | From Last Year |
| **TOTAL** | 4645.6 | 4595.4 | 4531.8 | 50.2 | 113.8 |
| **MANUFACTURING** | 1103.3 | 1092.0 | 1109.4 | 11.3 | - 6.1 |
| Durable Goods[e] | 739.8 | 731.6 | 748.0 | 8.2 | - 8.3 |
| Lumber and wood products | 20.6 | 20.7 | 18.9 | - .1 | 1.7 |
| Furniture and fixtures | 15.1 | 14.8 | 14.5 | .3 | .6 |
| Stone, clay, and glass products | 48.3 | 48.3 | 50.4 | .0 | - 2.1 |
| Glass and glassware, pressed or blown. | 10.2 | 10.1 | 11.2 | .1 | - 1.0 |
| Primary metal industries | 98.0 | 96.2 | 90.1 | 1.7 | 7.9 |
| Blast furnace and basic steel products | 44.9 | 44.8 | 38.6[j] | .1 | 6.2 |
| Iron and steel foundries | 19.7 | 19.3 | 19.7 | .5 | .1 |
| Nonferrous rolling and drawing | 18.1 | 17.2 | 18.0 | .9 | .1 |
| Fabricated metal products | 133.5 | 131.6 | 137.2 | 1.9 | - 3.7 |
| Cutlery, hand tools, and hardware | 10.0 | 9.8 | 10.3 | .1 | - .4 |
| Fabricated structural metal products | 28.9 | 28.5 | 29.2 | .4 | - .3 |
| Metal forgings and stampings | 41.4 | 40.4 | 43.1 | 1.0 | - 1.7 |
| Machinery, except electrical | 153.5 | 152.2 | 158.1 | 1.3 | - 4.6 |
| Construction and related machinery | 11.9 | 11.8 | 12.6 | .1 | - .7 |
| Metalworking machinery | 38.8 | 38.7 | 41.2 | .1 | - 2.4 |
| Special industry machinery | 16.8 | 16.6 | 17.2 | .3 | - .3 |
| General industrial machinery | 26.5 | 26.4 | 27.9 | .1 | - 1.5 |
| Office and computing machines | 13.7 | 13.7 | 13.7 | .1 | .1 |
| Refrigeration and service machinery | 17.2 | 16.8 | 16.3 | .3 | .9 |
| Electric and electronic equipment | 87.8 | 87.0 | 90.1 | .8 | - 2.3 |
| Electrical industrial apparatus | 16.8 | 16.8 | 16.9 | .0 | - .1 |
| Household appliances | 17.0 | 16.7 | 17.2 | .3 | - .3 |
| Electric lighting and wiring equipment | 17.2 | 17.0 | 17.9 | .3 | - .7 |
| Communication equipment | 10.0 | 10.0 | 10.6 | .0 | - .6 |
| Transportation equipment | 146.1 | 144.2 | 151.2 | 1.9 | - 5.1 |
| Motor vehicles and equipment | 94.3 | 91.4 | 95.3 | 2.9 | - 1.0 |
| Aircraft and parts | 42.3 | 43.3 | 46.8 | - 1.0 | - 4.5 |
| Instruments and related products | 22.2 | 22.2 | 23.1 | .0 | - .9 |
| Measuring and controlling devices | 12.1 | 12.2 | 12.2 | - .1 | - .1 |
| Nondurable Goods[f] | 363.5 | 360.4 | 361.4 | 3.1 | 2.1 |
| Food and kindred products | 67.8 | 66.9 | 66.6 | .9 | 1.2 |
| Meat products | 10.1 | 9.7 | 9.7 | .4 | .5 |
| Dairy products | 10.6 | 10.5 | 10.3 | .1 | .3 |
| Preserved fruits and vegetables | 14.0 | 13.8 | 14.1 | .2 | - .1 |
| Bakery products | 9.2 | 9.0 | 8.6 | .2 | .6 |
| Beverages | 10.2 | 10.2 | 10.3 | .0 | - .2 |
| Apparel and other textile products | 16.2 | 15.8 | 16.5 | .4 | - .3 |
| Paper and allied products | 38.1 | 37.4 | 37.4 | .8 | .7 |
| Misc. converted paper products | 12.1 | 11.9 | 11.9 | .2 | .2 |
| Paperboard containers and boxes | 13.4 | 13.1 | 12.6 | .3 | .9 |
| Printing and publishing | 70.1 | 70.1 | 69.3 | .1 | .9 |
| Newspapers | 19.4 | 19.4 | 19.4 | .0 | .0 |
| Commercial printing | 26.7 | 26.5 | 26.6 | .3 | .2 |
| Chemicals and allied products | 64.7 | 64.6 | 63.6 | .0 | 1.0 |
| Industrial inorganic chemicals | 10.4 | 10.2 | 10.0 | .2 | .4 |
| Rubber and misc. plastics products | 89.8 | 88.8 | 91.2 | 1.0 | - 1.4 |
| Tires and inner tubes | 16.5 | 16.5 | 17.7 | .0 | - 1.2 |
| Miscellaneous plastics products | 53.6 | 52.9 | 53.2 | .7 | .4 |

See footnotes on page 13.

# Nonagricultural Wage & Salary Employment[a]

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | September 1987[b] | August 1987[c] | September 1986[c] | From Last Month | From Last Year |
| NONMANUFACTURING | 3542.3 | 3503.4 | 3422.4 | 38.9 | 119.9 |
| MINING | 20.8 | 20.6 | 22.1 | .2 | - 1.3 |
| Bituminous coal and lignite mining | 9.3 | 9.3 | 10.0 | .0 | - .7 |
| Oil and gas extraction | 6.4 | 6.4 | 7.2 | .1 | - .8 |
| CONSTRUCTION | 194.2 | 194.8 | 180.0 | - .7 | 14.2 |
| General building contractors | 49.1 | 49.6 | 45.3 | - .5 | 3.8 |
| Heavy construction contractors | 26.3 | 26.4 | 25.9 | - .2 | .4 |
| Highway and street construction | 13.4 | 13.4 | 12.7 | .0 | .8 |
| Special trade contractors | 118.8 | 118.8 | 108.7 | .0 | 10.1 |
| TRANSPORTATION AND PUBLIC UTILITIES | 212.8 | 212.5 | 210.8 | .3 | 2.1 |
| Railroad transportation | 14.8 | 14.9 | 16.1 | - .1 | - 1.3 |
| Transportation, except railroads | 103.9 | 103.4 | 100.0 | .5 | 3.8 |
| Trucking and warehousing | 72.0 | 71.8 | 70.0 | .1 | 2.0 |
| Communication, electric, gas services | 94.2 | 94.3 | 94.6 | - .1 | - .4 |
| Communication | 52.9 | 52.8 | 52.5 | .1 | .4 |
| Electric, gas, and sanitary services | 41.3 | 41.5 | 42.1 | - .2 | - .8 |
| WHOLESALE TRADE | 252.0 | 252.0 | 247.6 | .0 | 4.5 |
| Wholesale trade-durable goods | 159.0 | 159.0 | 156.5 | .0 | 2.5 |
| Motor vehicles & automotive equipment | 22.5 | 22.4 | 22.5 | .1 | - .1 |
| Electrical goods | 20.7 | 20.6 | 20.6 | .1 | .2 |
| Machinery, equipment, and supplies | 68.5 | 68.7 | 67.4 | - .2 | 1.1 |
| Wholesale trade-nondurable goods | 93.0 | 93.0 | 91.1 | .0 | 2.0 |
| Groceries and related products | 30.0 | 29.8 | 29.0 | .1 | 1.0 |
| RETAIL TRADE | 864.0 | 861.2 | 834.9 | 2.7 | 29.0 |
| General merchandise stores | 113.9 | 112.0 | 114.3 | 1.9 | - .4 |
| Department stores | 100.3 | 98.7 | 102.2 | 1.7 | - 1.8 |
| Food stores | 132.8 | 132.0 | 129.2 | .8 | 3.6 |
| Automotive dealers & service stations | 96.9 | 97.0 | 92.5 | - .1 | 4.4 |
| Apparel and accessory stores | 40.6 | 40.5 | 38.7 | .2 | 1.9 |
| Eating and drinking places | 309.3 | 310.1 | 299.5 | - .9 | 9.8 |
| FINANCE, INSURANCE, AND REAL ESTATE | 245.7 | 246.8 | 235.4 | - 1.2 | 10.3 |
| Banking | 63.3 | 63.6 | 61.8 | - .3 | 1.5 |
| Credit agencies other than banks | 38.7 | 39.0 | 37.3 | - .3 | 1.4 |
| Insurance carriers | 66.0 | 65.8 | 63.7 | .2 | 2.2 |
| Life insurance | 24.1 | 24.0 | 23.7 | .0 | .4 |
| Fire, marine, and casualty insurance | 29.3 | 29.3 | 28.7 | .1 | .6 |
| SERVICES | 1077.9 | 1073.2 | 1021.7 | 4.7 | 56.2 |
| Hotels and other lodging places | 35.6 | 36.8 | 34.9 | - 1.2 | .7 |
| Personal services | 57.1 | 56.8 | 53.7 | .3 | 3.5 |
| Laundry, cleaning, & garment services | 18.9 | 18.8 | 18.1 | .2 | .9 |
| Business services | 220.4 | 219.3 | 199.6 | 1.1 | 20.8 |
| Services to buildings | 30.4 | 30.5 | 28.6 | - .1 | 1.8 |
| Computer and data processing services | 20.2 | 20.1 | 18.3 | .1 | 1.9 |
| Amusement and recreation services | 50.6 | 54.4 | 47.7 | - 3.8 | 2.9 |
| Health services | 364.8 | 364.9 | 348.6 | - .1 | 16.2 |
| Nursing and personal care facilities | 80.9 | 80.8 | 77.3 | .1 | 3.7 |
| Hospitals | 178.6 | 178.9 | 171.8 | - .3 | 6.8 |
| Educational services | 55.1 | 45.1 | 55.5 | 10.0 | - .4 |
| Colleges and universities | 28.1 | 21.1 | 29.3 | 7.0 | - 1.3 |
| GOVERNMENT | 674.9 | 642.2 | 670.0 | 32.8 | 5.0 |
| Federal government | 94.9 | 94.8 | 93.8 | .1 | 1.1 |
| State government | 144.3 | 133.6 | 141.4 | 10.7 | 3.0 |
| State government education[1] | 69.1 | 56.7 | 68.8 | 12.4 | .4 |
| State government, except education | 75.2 | 76.9 | 72.6 | - 1.7 | 2.6 |
| Local government | 435.7 | 413.8 | 434.8 | 22.0 | .9 |
| Local government education | 246.6 | 218.6 | 248.1 | 28.0 | - 1.6 |
| Local government, except education | 189.1 | 195.2 | 186.7 | - 6.0 | 2.5 |

# Hours & Earnings of Production or Nonsupervisory Workers[a]

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] |
| MANUFACTURING | $499.80 | $492.37 | $487.30 | 42.5 | 42.3 | 42.3 | $11.76 | $11.64 | $11.52 |
| Durable Goods[e] | 517.16 | 510.00 | 507.03 | 42.6 | 42.5 | 42.5 | 12.14 | 12.00 | 11.93 |
| Lumber and wood products | 291.27 | 300.94 | 302.00 | 39.9 | 41.0 | 41.2 | 7.30 | 7.34 | 7.33 |
| Furniture and fixtures | 354.96 | 363.58 | 348.57 | 40.8 | 41.6 | 41.3 | 8.70 | 8.74 | 8.44 |
| Stone, clay, and glass products | 458.15 | 440.96 | 447.62 | 42.5 | 41.6 | 41.6 | 10.78 | 10.60 | 10.76 |
| Glass and glassware, pressed or blown. | 477.00 | 460.69 | 491.73 | 40.7 | 40.2 | 42.1 | 11.72 | 11.46 | 11.68 |
| Primary metal industries | 626.05 | 603.90 | 559.68 | 45.3 | 44.7 | 42.4 | 13.82 | 13.51 | 13.20 |
| Blast furnace and basic steel products | 657.75 | 628.24 | 560.67 | 45.9 | 45.1 | 41.5 | 14.33 | 13.93 | 13.51 |
| Iron and steel foundries | 616.86 | 623.76 | 600.64 | 44.7 | 45.2 | 44.1 | 13.80 | 13.80 | 13.62 |
| Nonferrous rolling and drawing | 668.06 | 610.30 | 573.92 | 45.2 | 42.5 | 41.2 | 14.78 | 14.36 | 13.93 |
| Fabricated metal products | 488.46 | 484.26 | 494.38 | 42.0 | 42.0 | 42.4 | 11.63 | 11.53 | 11.66 |
| Cutlery, hand tools, and hardware | 459.03 | 460.85 | 459.02 | 39.2 | 39.9 | 38.9 | 11.71 | 11.55 | 11.80 |
| Fabricated structural metal products | 452.19 | 474.64 | 454.40 | 42.7 | 44.4 | 43.4 | 10.59 | 10.69 | 10.47 |
| Metal forgings and stampings | 595.45 | 578.98 | 628.52 | 42.9 | 42.2 | 44.2 | 13.88 | 13.72 | 14.22 |
| Machinery, except electrical | 489.83 | 489.41 | 485.41 | 42.3 | 42.3 | 42.1 | 11.58 | 11.57 | 11.53 |
| Construction and related machinery | 412.05 | 397.40 | 417.18 | 41.0 | 39.9 | 40.7 | 10.05 | 9.96 | 10.25 |
| Metalworking machinery | 479.45 | 475.76 | 468.52 | 43.0 | 42.9 | 42.4 | 11.15 | 11.09 | 11.05 |
| Special industry machinery | 474.96 | 480.25 | 459.14 | 41.7 | 42.5 | 42.2 | 11.39 | 11.30 | 10.88 |
| General industrial machinery | 526.87 | 502.98 | 501.23 | 42.8 | 41.5 | 41.7 | 12.31 | 12.12 | 12.02 |
| Office and computing machines | 423.24 | 442.53 | 398.24 | 43.1 | 44.7 | 41.7 | 9.82 | 9.90 | 9.55 |
| Refrigeration and service machinery | 545.44 | 537.25 | 602.89 | 41.7 | 41.2 | 44.2 | 13.08 | 13.04 | 13.64 |
| Electric and electronic equipment | 452.79 | 458.43 | 464.88 | 40.5 | 41.3 | 42.3 | 11.18 | 11.10 | 10.99 |
| Electrical industrial apparatus | 479.70 | 482.85 | 436.81 | 43.1 | 43.5 | 40.9 | 11.13 | 11.10 | 10.68 |
| Household appliances | 447.70 | 474.66 | 497.08 | 38.2 | 40.5 | 43.3 | 11.72 | 11.72 | 11.48 |
| Electric lighting and wiring equipment | 445.22 | 442.49 | 472.50 | 39.4 | 39.9 | 42.0 | 11.30 | 11.09 | 11.25 |
| Communication equipment | 492.47 | 483.18 | 492.90 | 40.7 | 40.4 | 42.2 | 12.10 | 11.96 | 11.68 |
| Transportation equipment | 641.52 | 628.00 | 629.31 | 44.0 | 43.4 | 44.1 | 14.58 | 14.47 | 14.27 |
| Motor vehicles and equipment | 659.56 | 643.44 | 646.21 | 44.0 | 43.3 | 43.9 | 14.99 | 14.86 | 14.72 |
| Aircraft and parts | 603.68 | 606.76 | 601.16 | 44.0 | 44.0 | 45.2 | 13.72 | 13.79 | 13.30 |
| Instruments and related products | 380.37 | 371.78 | 358.30 | 41.3 | 40.9 | 39.9 | 9.21 | 9.09 | 8.98 |
| Measuring and controlling devices | 356.18 | 355.03 | 346.12 | 38.8 | 39.1 | 38.5 | 9.18 | 9.08 | 8.99 |
| Nondurable Goods[f] | 460.40 | 453.36 | 443.72 | 42.2 | 41.9 | 41.9 | 10.91 | 10.82 | 10.59 |
| Food and kindred products | 451.29 | 435.11 | 420.33 | 43.9 | 42.7 | 42.5 | 10.28 | 10.19 | 9.89 |
| Meat products | 393.13 | 378.78 | 373.82 | 42.5 | 41.9 | 40.5 | 9.25 | 9.04 | 9.23 |
| Dairy produtcs | 491.90 | 469.57 | 450.07 | 44.8 | 43.6 | 42.3 | 10.98 | 10.77 | 10.64 |
| Preserved fruits and vegetables | 448.04 | 416.38 | 392.81 | 46.0 | 43.6 | 43.5 | 9.74 | 9.55 | 9.03 |
| Bakery products | 452.71 | 462.04 | 459.42 | 39.4 | 39.9 | 39.3 | 11.49 | 11.58 | 11.69 |
| Beverages | 439.88 | 450.64 | 442.73 | 42.5 | 43.0 | 42.9 | 10.35 | 10.48 | 10.32 |
| Apparel and other textile products | 289.91 | 290.97 | 270.80 | 38.5 | 38.9 | 37.3 | 7.53 | 7.48 | 7.26 |
| Paper and allied products | 512.12 | 499.97 | 499.26 | 45.2 | 44.6 | 45.1 | 11.33 | 11.21 | 11.07 |
| Misc. converted paper products | 467.28 | 468.59 | 469.34 | 44.0 | 44.5 | 45.7 | 10.62 | 10.53 | 10.27 |
| Paperboard containers and boxes | 443.08 | 435.02 | 435.56 | 44.0 | 43.2 | 43.6 | 10.07 | 10.07 | 9.99 |
| Printing and publishing | 443.52 | 432.06 | 417.40 | 39.6 | 39.1 | 38.9 | 11.20 | 11.05 | 10.73 |
| Newspapers | 401.84 | 359.14 | 356.68 | 36.9 | 34.4 | 34.9 | 10.89 | 10.44 | 10.22 |
| Commercial printing | 442.80 | 433.35 | 419.52 | 41.0 | 40.5 | 40.3 | 10.80 | 10.70 | 10.41 |
| Chemicals and allied products | 535.50 | 531.29 | 518.22 | 42.0 | 41.9 | 42.2 | 12.75 | 12.68 | 12.28 |
| Industrial inorganic chemicals | 604.30 | 598.13 | 568.01 | 43.6 | 43.5 | 42.2 | 13.86 | 13.75 | 13.46 |
| Rubber and misc. plastics products | 439.07 | 443.65 | 441.34 | 42.3 | 42.7 | 42.6 | 10.38 | 10.39 | 10.36 |
| Tires and inner tubes | 664.45 | 653.16 | 628.34 | 46.4 | 45.9 | 45.4 | 14.32 | 14.23 | 13.84 |
| Miscellaneous plastics products | 415.24 | 422.52 | 425.96 | 41.4 | 42.0 | 42.3 | 10.03 | 10.06 | 10.07 |

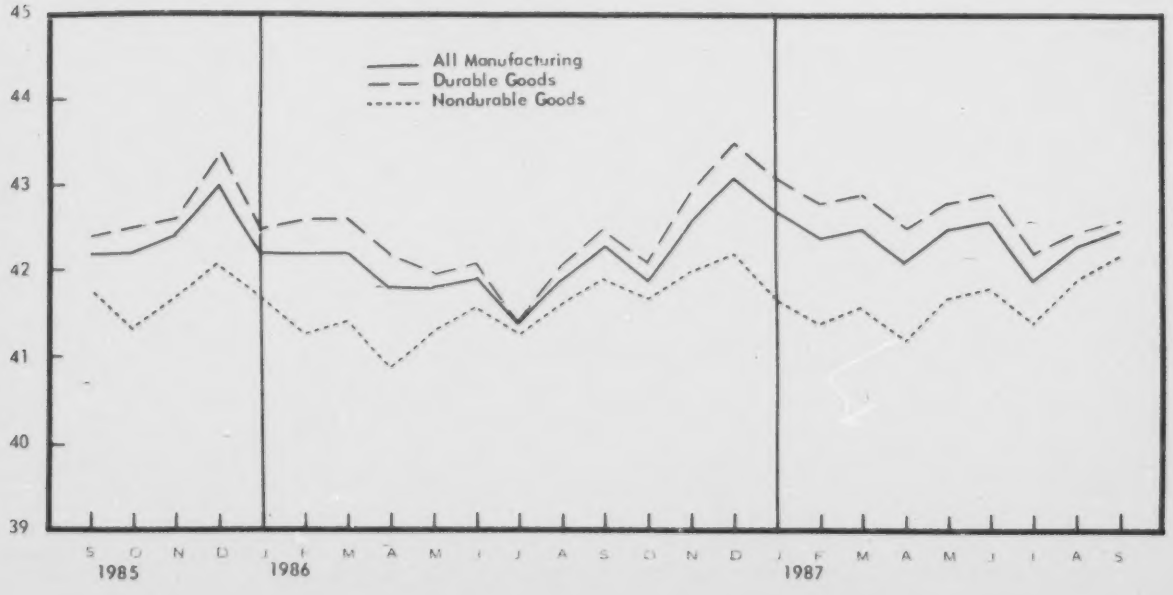
See footnotes on page 13.

## Hours & Earnings of Production or Nonsupervisory Workers[a]

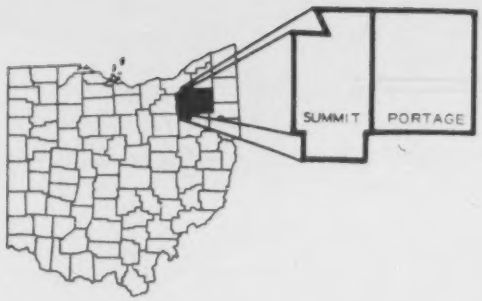
| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] |
| MINING | $545.97 | $545.10 | $538.77 | 43.4 | 43.4 | 44.6 | $12.58 | $12.56 | $12.08 |
| Bituminous coal and lignite mining | 661.00 | 662.28 | 635.95 | 42.7 | 42.7 | 42.2 | 15.48 | 15.51 | 15.07 |
| CONSTRUCTION | 536.91 | 577.60 | 588.85 | 36.8 | 39.4 | 39.6 | 14.59 | 14.66 | 14.87 |
| TRANSPORTATION AND PUBLIC UTILITIES | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Communication, electric, gas services | 566.50 | 560.88 | 549.70 | 41.2 | 41.0 | 41.3 | 13.75 | 13.68 | 13.31 |
| Communication | 558.42 | 555.42 | 539.97 | 41.0 | 40.9 | 41.0 | 13.62 | 13.58 | 13.17 |
| Electric, gas, and sanitary services | 576.29 | 567.59 | 560.77 | 41.4 | 41.1 | 41.6 | 13.92 | 13.81 | 13.48 |
| WHOLESALE TRADE | 381.97 | 377.62 | 368.39 | 39.5 | 39.5 | 39.4 | 9.67 | 9.56 | 9.35 |
| Wholesale trade-durable goods | 374.75 | 373.51 | 366.83 | 39.2 | 39.4 | 39.7 | 9.56 | 9.48 | 9.24 |
| Wholesale trade-nondurable goods | 393.60 | 384.12 | 371.50 | 40.0 | 39.6 | 38.9 | 9.84 | 9.70 | 9.55 |
| RETAIL TRADE[h] | 165.88 | 164.37 | 159.26 | 29.0 | 29.3 | 28.8 | 5.72 | 5.61 | 5.53 |
| General merchandise stores | 192.37 | 185.40 | 182.70 | 30.2 | 30.0 | 30.0 | 6.37 | 6.18 | 6.09 |
| Department stores | 198.86 | 191.17 | 187.52 | 30.5 | 30.2 | 30.1 | 6.52 | 6.33 | 6.23 |
| FINANCE, INSURANCE, AND REAL ESTATE | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Banking | 257.70 | 261.64 | 250.55 | .... | .... | .... | ..... | ..... | ..... |
| Credit agencies other than banks | 252.21 | 253.08 | 243.38 | .... | .... | .... | ..... | ..... | ..... |
| Insurance carriers | 347.04 | 347.71 | 333.66 | .... | .... | .... | ..... | ..... | ..... |
| SERVICES | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Health services | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Hospitals | 335.33 | 333.00 | 324.53 | 33.3 | 33.2 | 33.7 | 10.07 | 10.03 | 9.63 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



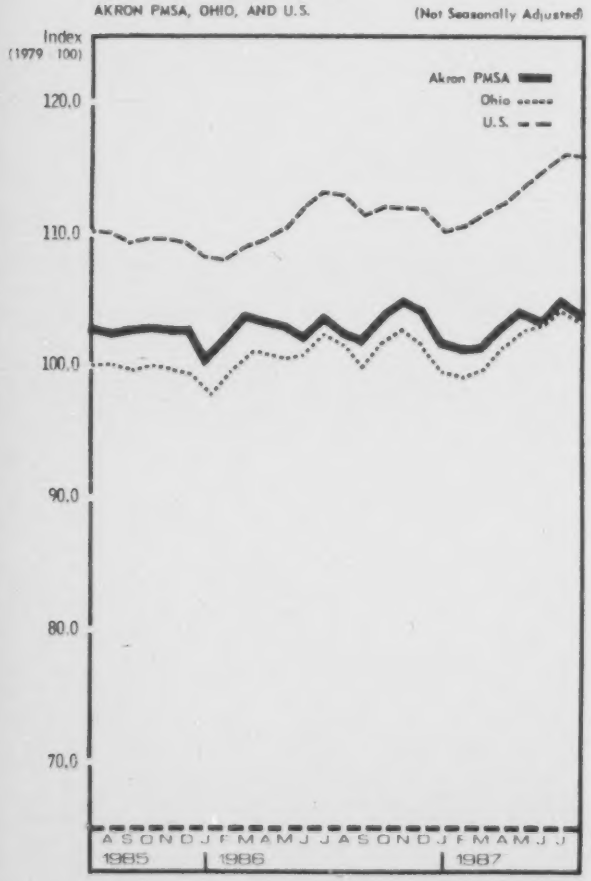
# AKRON
## PRIMARY METROPOLITAN STATISTICAL AREA



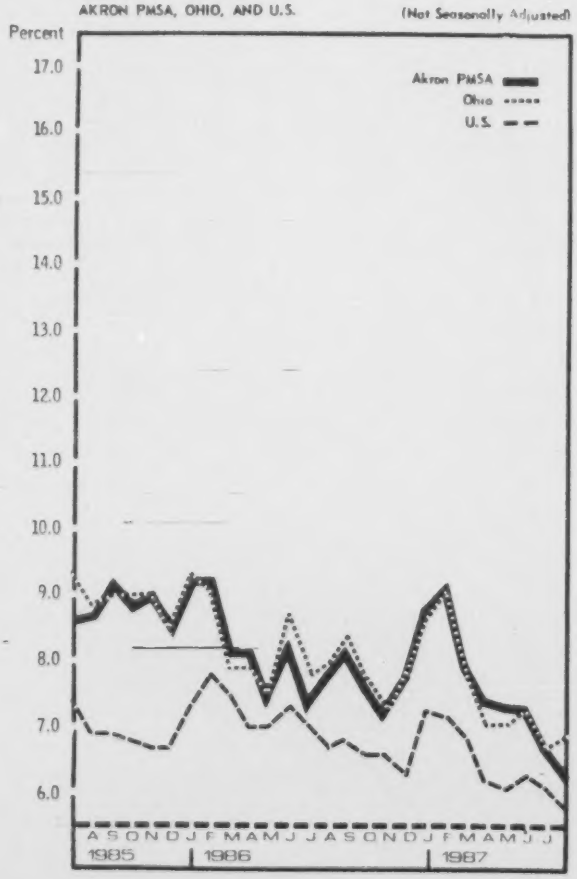

Nonagricultural wage and salary employment for the Akron metropolitan area totaled 269,200 in September, an increase of 6,100 from August. Employment in manufacturing rose 1,100 from the previous month, to 65,400. A modest gain in fabricated metal products contributed to the expansion. Nonmanufacturing employment advanced 5,000 over the month, as the seasonal return of nonteaching personnel in state and local schools provided the major growth. Manufacturing production workers averaged a 43.2 hour workweek, down slightly from August. Their average hourly earnings went up $.14 from last month, to $11.28.

Nonfarm wage and salary employment registered a gain of 5,300 from September 1986. Services, retail trade, and construction accounted for the major portion of the advance. However, declines in state and local government education were also recorded. Setbacks in rubber and miscellaneous plastics products, especially tires and inner tubes, and fabricated metal products helped to reduce manufacturing employment by 1,200 over the period.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)




UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



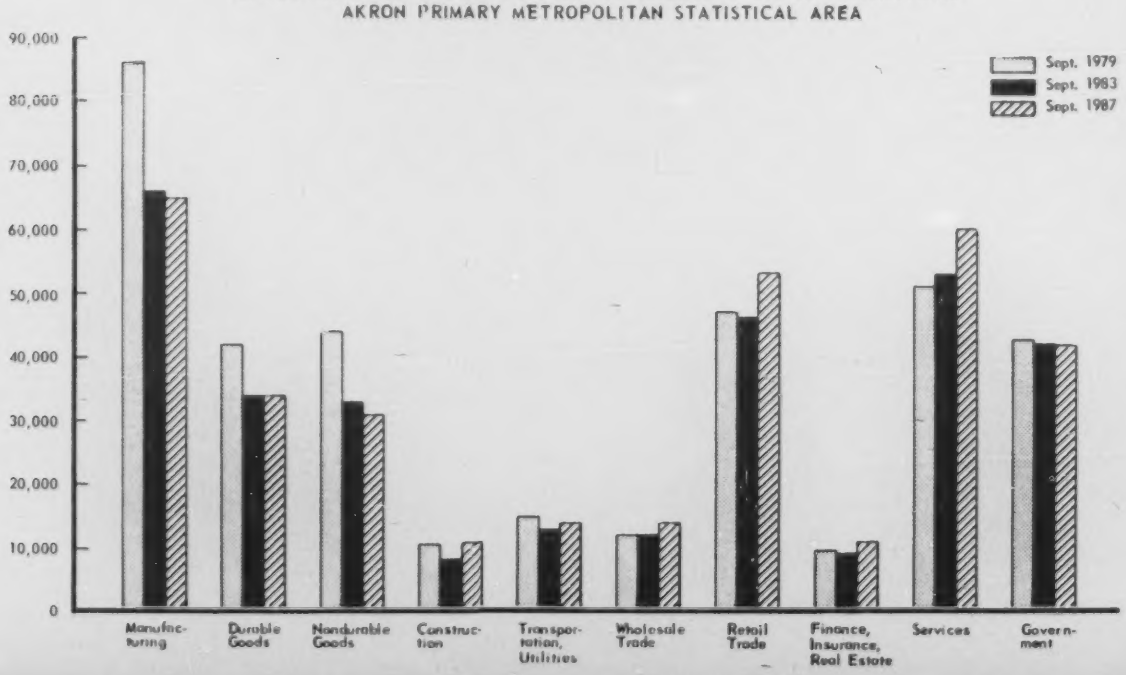
**AKRON PMSA LABOR FORCE & EMPLOYMENT DATA**

(Employed & Unemployed in Thousands

| Civilian Labor Force | | | | | Nonagricultural Wage & Salary Employment | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Employed | | | | | Manufacturing Employment | | | | |
| | | Unemployed | | | | | Manufacturing Production Workers | | | |
| | | Total | Rate | | | | | Hours and Earnings | | |
| | | | | | | | | Average Weekly Earnings | Average Weekly Hours | Average Hourly Earnings |
| 291.3 | 266.3 | 25.0 | 8.6 | 1976 | 247.3 | 80.3 | 44.5 | $253.44 | 42.1 | $ 6.02 |
| 294.2 | 274.7 | 19.5 | 6.6 | 1977 | 259.3 | 85.6 | 49.2 | 285.53 | 42.3 | 6.75 |
| 298.9 | 282.2 | 16.7 | 5.6 | 1978 | 266.6 | 85.9 | 49.4 | 304.14 | 42.3 | 7.19 |
| 303.8 | 285.4 | 18.4 | 6.1 | 1979 | 270.9 | 85.6 | 53.8 | 321.57 | 41.6 | 7.73 |
| 304.5 | 278.3 | 26.2 | 8.6 | 1980 | 262.4 | 79.1 | 47.5 | 361.88 | 41.5 | 8.72 |
| 304.1 | 274.9 | 29.1 | 9.6 | 1981 | 259.5 | 75.7 | 43.7 | 397.10 | 41.8 | 9.50 |
| 303.9 | 268.0 | 35.9 | 11.8 | 1982 | 248.8 | 68.3 | 36.9 | 403.03 | 41.0 | 9.83 |
| 302.5 | 265.2 | 37.3 | 12.3 | 1983 | 244.7 | 65.2 | 33.4 | 452.12 | 43.1 | 10.49 |
| 316.5 | 285.8 | 30.6 | 9.7 | 1984 | 252.2 | 67.9 | 38.0 | 470.65 | 43.7 | 10.77 |
| 317.8 | 289.9 | 28.0 | 8.8 | 1985 | 257.6 | 68.1 | 37.3 | 475.20 | 43.2 | 11.00 |
| 319.5 | 293.9 | 25.6 | 8.0 | 1986 | 260.0 | 66.8 | 36.2 | 484.70 | 43.2 | 11.22 |
| | | | | 1986 | | | | | | |
| 317.2 | 292.5 | 24.7 | 7.8 | August | 257.1 | 66.1 | 35.6 | 491.81 | 43.6 | 11.28 |
| 317.0 | 291.0 | 26.1 | 8.2 | September | 263.9 | 66.7 | 36.3 | 490.16 | 43.3 | 11.32 |
| 320.4 | 296.2 | 24.3 | 7.6 | October | 263.9 | 66.5 | 36.0 | 488.91 | 43.0 | 11.37 |
| 323.4 | 300.2 | 23.2 | 7.2 | November | 265.7 | 66.7 | 36.2 | 491.62 | 43.2 | 11.38 |
| 322.9 | 297.8 | 25.2 | 7.8 | December | 266.4 | 67.0 | 36.3 | 498.08 | 43.5 | 11.45 |
| | | | | 1987 | | | | | | |
| 318.2 | 290.0 | 28.1 | 8.8 | January | 259.5 | 66.6 | 36.2 | 489.62 | 43.1 | 11.36 |
| 318.0 | 288.7 | 29.2 | 9.2 | February | 259.2 | 66.2 | 35.9 | 487.05 | 42.5 | 11.46 |
| 314.4 | 289.3 | 25.1 | 8.0 | March | 260.5 | 65.2 | 35.4 | 483.64 | 42.8 | 11.30 |
| 316.9 | 293.4 | 23.5 | 7.4 | April | 263.4 | 64.7 | 34.9 | 483.75 | 43.0 | 11.25 |
| 320.9 | 297.5 | 23.4 | 7.3 | May | 266.8 | 64.5 | 35.0 | 487.19 | 43.0 | 11.33 |
| 317.3 | 294.3 | 23.1 | 7.3 | June | 262.8 | 64.5 | 35.0 | 488.32 | 43.1 | 11.33 |
| 321.3 | 299.8 | 21.6 | 6.7 | July | 262.9 | 64.2 | 34.9 | 469.42 | 42.1 | 11.15 |
| 319.0 | 296.0 | 23.1 | 7.2 | August | 263.1 | 64.3 | 35.0 | 482.36 | 43.3 | 11.14 |
| INA | INA | INA | INA | September | 269.2 | 65.4 | 36.1 | 487.30 | 43.2 | 11.28 |

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



## Nonagricultural Wage & Salary Employment[a]

Akron PMSA

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | September 1987[b] | August 1987[c] | September 1986[c] | From Last Month | From Last Year |
| **TOTAL** | 269.2 | 263.1 | 263.9 | 6.1 | 5.3 |
| **MANUFACTURING** | 65.4 | 64.3 | 66.7 | 1.1 | - 1.2 |
| Durable Goods[e] | 34.3 | 33.4 | 35.1 | .9 | - .8 |
| Fabricated metal products | 12.7 | 12.0 | 13.1 | .7 | - .4 |
| Machinery, except electrical | 9.3 | 9.2 | 9.3 | .2 | .0 |
| Metalworking machinery | 3.1 | 3.1 | 3.0 | .0 | .0 |
| Nondurable Goods[f] | 31.1 | 30.9 | 31.5 | .2 | - .4 |
| Food and kindred products | 2.9 | 2.9 | 2.7 | .0 | .1 |
| Chemicals and allied products | 3.0 | 3.0 | 2.9 | .0 | .1 |
| Rubber and misc. plastics products | 19.5 | 19.2 | 20.5 | .2 | - 1.0 |
| Tires and inner tubes | 12.1 | 12.0 | 13.5 | .0 | - 1.4 |
| **NONMANUFACTURING[g]** | 203.8 | 198.8 | 197.2 | 5.0 | 6.6 |
| CONSTRUCTION | 11.2 | 11.2 | 9.7 | .0 | 1.5 |
| TRANSPORTATION AND PUBLIC UTILITIES | 13.6 | 13.5 | 13.0 | .0 | .5 |
| Communication, electric, gas services | 5.5 | 5.5 | 5.4 | .0 | .1 |
| WHOLESALE TRADE | 13.7 | 13.7 | 13.6 | .0 | .1 |
| RETAIL TRADE | 52.9 | 52.3 | 50.8 | .6 | 2.1 |
| General merchandise stores | 6.7 | 6.5 | 6.4 | .2 | .3 |
| FINANCE, INSURANCE, AND REAL ESTATE | 10.6 | 10.6 | 10.1 | - .1 | .5 |
| Banking | 3.1 | 3.2 | 3.1 | .0 | .0 |
| SERVICES | 59.7 | 59.9 | 56.7 | - .2 | 3.0 |
| Business services | 11.4 | 11.3 | 10.6 | .1 | .8 |
| Amusement and recreation services | 4.0 | 4.7 | 3.9 | - .7 | .1 |
| Health services | 18.3 | 18.2 | 17.6 | .1 | .8 |
| GOVERNMENT | 41.5 | 37.0 | 42.7 | 4.6 | - 1.2 |
| State government | 14.8 | 10.3 | 15.2 | 4.5 | - .4 |
| State government education[1] | 11.8 | 7.2 | 12.3 | 4.7 | - .5 |
| State government, except education | 3.0 | 3.2 | 2.9 | - .1 | .1 |
| Local government | 24.3 | 24.3 | 25.2 | .0 | - .9 |
| Local government education | 12.9 | 12.3 | 13.4 | .5 | - .6 |
| Local government, except education | 11.4 | 12.0 | 11.7 | - .5 | - .3 |

Akron PMSA

## Hours & Earnings of Production or Nonsupervisory Workers[a]

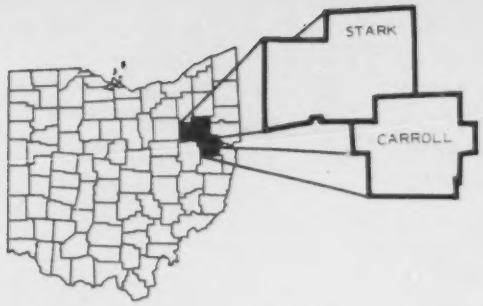
| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] |
| MANUFACTURING | $487.30 | $482.36 | $490.16 | 43.2 | 43.3 | 43.3 | $11.28 | $11.14 | $11.32 |
| Durable Goods[e] | 493.06 | 494.86 | 510.27 | 43.1 | 43.6 | 43.8 | 11.44 | 11.35 | 11.65 |
| Fabricated metal products | 582.77 | 598.45 | 641.70 | 43.2 | 45.2 | 46.0 | 13.49 | 13.24 | 13.95 |
| Machinery, except electrical | 448.94 | 448.50 | 435.25 | 44.1 | 44.1 | 43.7 | 10.18 | 10.17 | 9.96 |
| Metalworking machinery | 446.10 | 450.24 | 445.54 | 44.3 | 44.8 | 44.2 | 10.07 | 10.05 | 10.08 |
| Nondurable Goods[f] | 480.24 | 464.61 | 459.00 | 43.5 | 42.9 | 42.5 | 11.04 | 10.83 | 10.80 |
| Food and kindred products | 486.53 | 469.48 | 444.85 | 44.8 | 44.0 | 40.7 | 10.86 | 10.67 | 10.93 |
| Chemicals and allied products | 527.61 | 467.64 | 446.00 | 44.3 | 40.7 | 40.0 | 11.91 | 11.49 | 11.15 |
| Rubber and misc. plastics products | 497.01 | 491.95 | 496.18 | 44.1 | 44.4 | 44.5 | 11.27 | 11.08 | 11.15 |
| Tires and inner tubes | 756.26 | 742.46 | 705.65 | 48.2 | 48.4 | 48.2 | 15.69 | 15.34 | 14.64 |
| TRANSPORTATION AND PUBLIC UTILITIES | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Communication, electric, gas services | 578.93 | 574.48 | 552.68 | 41.5 | 41.3 | 41.0 | 13.95 | 13.91 | 13.48 |
| WHOLESALE TRADE | 340.23 | 335.02 | 325.17 | 38.1 | 37.6 | 38.3 | 8.93 | 8.91 | 8.49 |
| RETAIL TRADE[h] | 207.08 | 201.58 | 191.27 | 33.4 | 33.1 | 31.0 | 6.20 | 6.09 | 6.17 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

## Selected Administrative Program Activities

| | September 1987 | August 1987 | September 1986 |
|---|---|---|---|
| **Employment Service Program** | | | |
| New Applicants | 2,652 | 2,392 | 3,179 |
| Active File of Job Seekers | 17,157 | 18,259 | 21,483 |
| Referrals to Jobs | 1,691 | 2,014 | 1,515 |
| Placements | 659 | 855 | 771 |
| Job Openings Received | 999 | 762 | 1,004 |
| Job Openings Unfilled | 2,360 | 2,367 | 1,197 |
| **Unemployment Insurance Program** | | | |
| Initial Claims | 2,197 | 2,651 | 3,158 |
| Continued Claims | 23,387 | 23,903 | 27,859 |
| First Payments | 1,142 | 1,312 | 1,030 |
| Last Payments | 413 | 403 | 419 |
| Weeks Compensated | 19,210 | 19,436 | 17,033 |
| Benefits Paid | $2,879,317 | $2,889,382 | $2,419,154 |
| Average Weekly Payment | $153.64 | $152.48 | $145.83 |

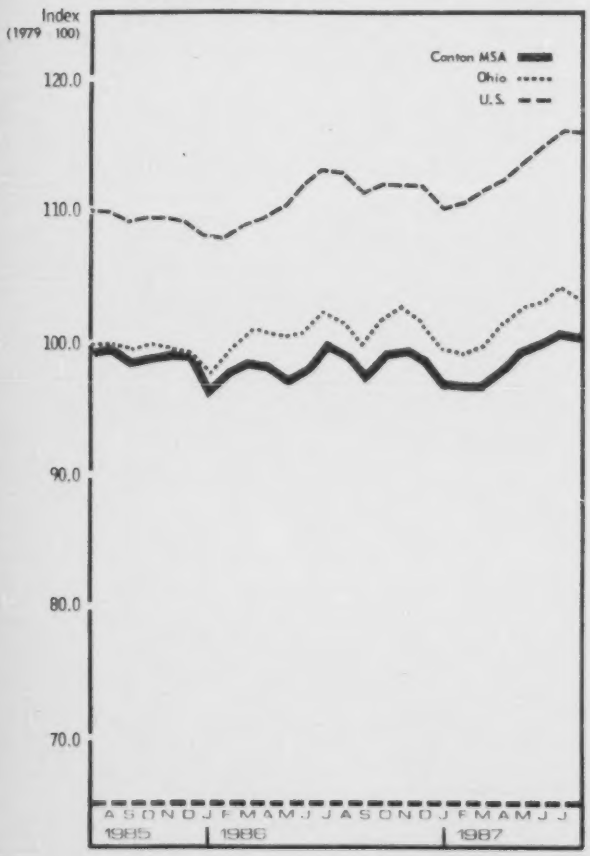
# CANTON
## METROPOLITAN STATISTICAL AREA



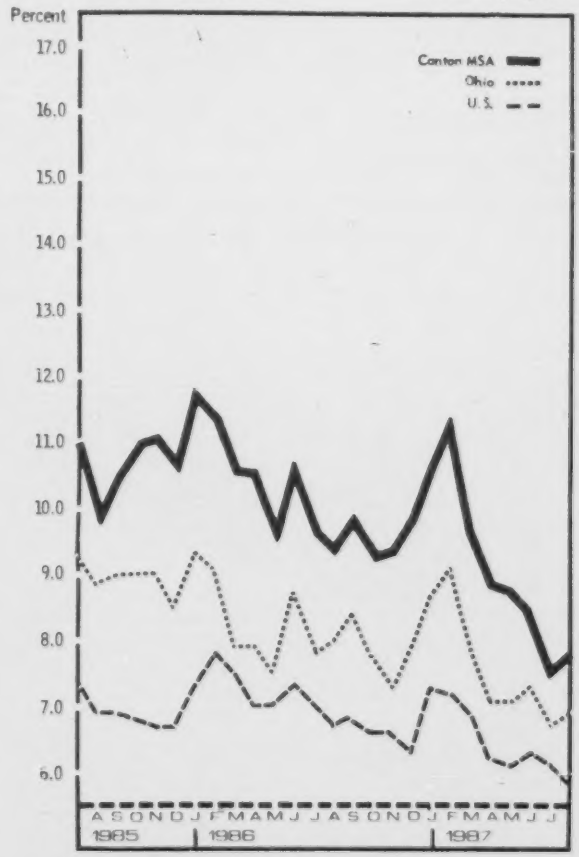

Nonagricultural wage and salary employment in the Canton area totaled 156,700 in September, an increase of 500 jobs from August. Manufacturing employment remained virtually unchanged at 42,300. There was only a minor expansion of 400 nonmanufacturing jobs, mostly occurring in local government education. Factory workers averaged a 41.1 hour workweek, unchanged from last month. They earned $11.32 per hour, up $.11 from August.

Since September 1986, the nonfarm wage and salary employment for the Canton metropolitan area recorded an expansion of 2,900 jobs. Substantial increases in retail trade, construction, and services helped boost nonmanufacturing employment 4,600. A general decline throughout the manufacturing industries, particularly fabricated metal products, contributed to the loss of 1,700 jobs.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)




UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

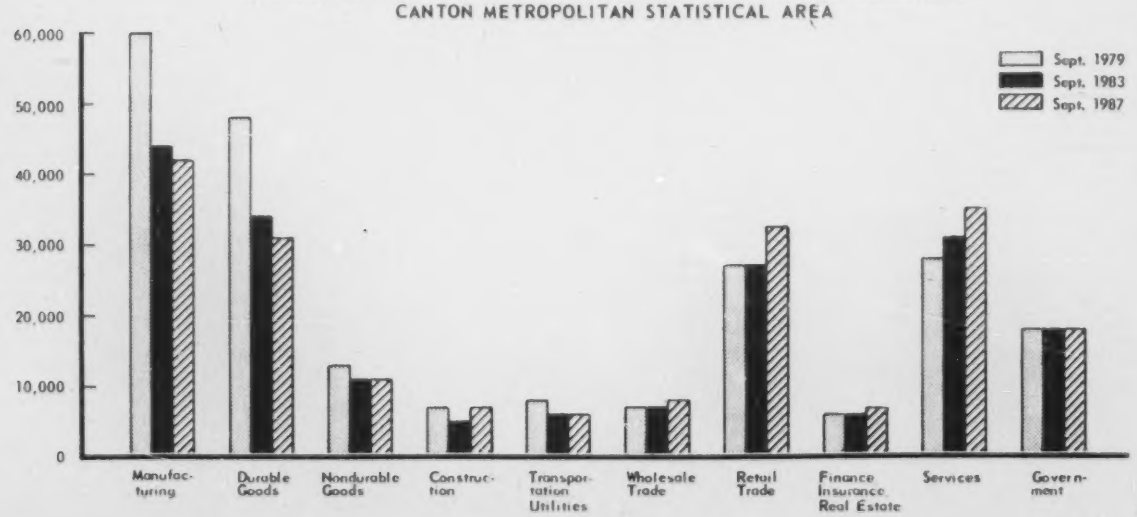


**CANTON MSA LABOR FORCE & EMPLOYMENT DATA**
(Employed & Unemployed in Thousands)

| Civilian Labor Force | | | | | Nonagricultural Wage & Salary Employment | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Employed | | | | | Manufacturing Employment | | | | |
| | | Unemployed | | | | | Manufacturing Production Workers | | | |
| | | Total | Rate | | | | | Hours and Earnings | | |
| | | | | | | | | Average Weekly Earnings | Average Weekly Hours | Average Hourly Earnings |
| 174.4 | 158.6 | 15.8 | 9.1 | 1976 | 145.9 | 54.8 | 40.4 | $244.73 | 39.6 | $ 6.18 |
| 175.9 | 163.1 | 12.9 | 7.3 | 1977 | 149.8 | 56.0 | 41.1 | 273.14 | 39.7 | 6.88 |
| 179.9 | 170.0 | 9.9 | 5.5 | 1978 | 156.1 | 57.1 | 42.2 | 304.67 | 40.3 | 7.56 |
| 184.3 | 173.7 | 10.6 | 5.7 | 1979 | 160.8 | 59.1 | 43.2 | 330.88 | 40.9 | 8.09 |
| 187.7 | 170.9 | 16.8 | 8.9 | 1980 | 157.1 | 55.7 | 40.1 | 342.81 | 39.0 | 8.79 |
| 188.4 | 170.1 | 18.2 | 9.7 | 1981 | 156.6 | 54.8 | 39.6 | 390.40 | 40.0 | 9.76 |
| 191.4 | 164.3 | 27.0 | 14.1 | 1982 | 148.6 | 47.6 | 33.3 | 394.49 | 38.6 | 10.22 |
| 187.0 | 159.5 | 27.5 | 14.7 | 1983 | 143.4 | 43.5 | 30.6 | 422.14 | 39.6 | 10.66 |
| 188.1 | 168.1 | 19.9 | 10.6 | 1984 | 149.1 | 46.4 | 33.6 | 437.53 | 40.4 | 10.83 |
| 189.5 | 169.5 | 20.0 | 10.6 | 1985 | 151.5 | 46.2 | 33.8 | 435.81 | 39.8 | 10.95 |
| 190.3 | 171.0 | 19.4 | 10.2 | 1986 | 151.8 | 43.5 | 30.9 | 451.76 | 40.3 | 11.21 |
| | | | | 1986 | | | | | | |
| 190.1 | 172.2 | 17.9 | 9.4 | August | 152.8 | 44.2 | 31.5 | 448.48 | 39.9 | 11.24 |
| 187.2 | 168.6 | 18.6 | 9.9 | September | 153.8 | 44.0 | 31.4 | 447.75 | 39.8 | 11.25 |
| 190.2 | 172.4 | 17.7 | 9.3 | October | 149.7 | 38.7 | 26.2 | 445.61 | 40.4 | 11.03 |
| 191.1 | 173.2 | 18.0 | 9.4 | November | 154.2 | 43.0 | 30.5 | 471.33 | 41.2 | 11.44 |
| 190.3 | 171.5 | 18.7 | 9.9 | December | 154.4 | 42.8 | 30.2 | 476.94 | 41.8 | 11.41 |
| | | | | 1987 | | | | | | |
| 188.2 | 168.1 | 20.1 | 10.7 | January | 151.3 | 42.7 | 30.2 | 483.19 | 42.2 | 11.45 |
| 189.2 | 167.6 | 21.6 | 11.4 | February | 151.2 | 42.9 | 30.2 | 476.70 | 42.0 | 11.35 |
| 185.7 | 167.6 | 18.1 | 9.7 | March | 151.7 | 42.7 | 30.1 | 477.12 | 42.0 | 11.36 |
| 187.3 | 170.6 | 16.7 | 8.9 | April | 153.9 | 42.7 | 30.2 | 471.03 | 41.5 | 11.35 |
| 189.2 | 172.6 | 16.7 | 8.8 | May | 155.6 | 42.5 | 30.1 | 486.35 | 42.7 | 11.39 |
| 189.7 | 173.5 | 16.2 | 8.5 | June | 156.4 | 42.5 | 30.1 | 479.39 | 42.2 | 11.36 |
| 189.1 | 175.0 | 14.1 | 7.5 | July | 154.8 | 41.7 | 29.5 | 470.50 | 41.6 | 11.31 |
| 188.8 | 174.0 | 14.8 | 7.8 | August | 156.1 | 42.2 | 30.2 | 460.73 | 41.1 | 11.21 |
| INA | INA | INA | INA | September | 156.7 | 42.3 | 30.3 | 465.25 | 41.1 | 11.32 |

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



## Canton MSA

# Nonagricultural Wage & Salary Employment[a]

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | September 1987[b] | August 1987[c] | September 1986[c] | From Last Month | From Last Year |
| **TOTAL** | 156.7 | 156.1 | 153.8 | .5 | 2.9 |
| **MANUFACTURING** | 42.3 | 42.2 | 44.0 | .1 | - 1.7 |
| Durable Goods[e] | 31.2 | 31.2 | 32.5 | .0 | - 1.2 |
| Primary metal industries | 10.0 | 10.0 | 10.2 | .0 | - .2 |
| Fabricated metal products | 6.2 | 6.2 | 7.0 | .0 | - .8 |
| Metal forgings and stampings | 2.0 | 2.0 | 2.5 | .0 | - .5 |
| Nondurable Goods[f] | 11.1 | 11.0 | 11.5 | .1 | - .4 |
| Food and kindred products | 3.7 | 3.6 | 3.8 | .0 | - .1 |
| Rubber and misc. plastics products | 2.6 | 2.6 | 2.8 | .0 | - .2 |
| **NONMANUFACTURING[g]** | 114.4 | 113.9 | 109.8 | .4 | 4.6 |
| CONSTRUCTION | 7.3 | 7.3 | 6.1 | .0 | 1.2 |
| TRANSPORTATION AND PUBLIC UTILITIES | 6.1 | 6.1 | 5.8 | .0 | .3 |
| Communication, electric, gas services | 2.7 | 2.7 | 2.7 | .0 | .0 |
| WHOLESALE TRADE | 8.0 | 8.1 | 8.0 | - .1 | .0 |
| Wholesale trade-durable goods | 4.5 | 4.5 | 4.6 | - .1 | - .1 |
| RETAIL TRADE | 32.5 | 32.4 | 30.8 | .1 | 1.7 |
| General merchandise stores | 4.0 | 3.8 | 3.7 | .2 | .3 |
| Food stores | 5.2 | 5.3 | 5.1 | - .1 | .1 |
| FINANCE, INSURANCE, AND REAL ESTATE | 6.6 | 6.6 | 6.5 | - .1 | .0 |
| Banking | 1.9 | 1.9 | 1.9 | .0 | .0 |
| SERVICES | 34.9 | 34.8 | 33.7 | .0 | 1.2 |
| Health services | 14.9 | 14.9 | 14.5 | .0 | .4 |
| GOVERNMENT | 18.0 | 17.4 | 17.8 | .5 | .2 |
| State government (includes education) | 1.8 | 1.7 | 1.7 | .1 | .1 |
| Local government | 14.8 | 14.3 | 14.7 | .5 | .1 |
| Local government education | 8.4 | 8.0 | 8.7 | .4 | - .3 |
| Local government, except education | 6.4 | 6.3 | 6.0 | .1 | .4 |

Canton MSA

## Hours & Earnings of Production or Nonsupervisory Workers[a]

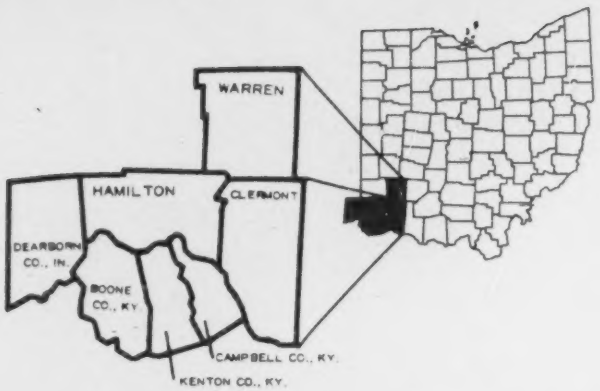
| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] |
| MANUFACTURING | $465.25 | $460.73 | $447.75 | 41.1 | 41.1 | 39.8 | $11.32 | $11.21 | $11.25 |
| Durable Goods[e] | 484.64 | 480.90 | 467.60 | 41.6 | 41.6 | 40.0 | 11.65 | 11.56 | 11.69 |
| Primary metal industries | 565.02 | 560.73 | 499.68 | 43.0 | 43.4 | 39.5 | 13.14 | 12.92 | 12.65 |
| Fabricated metal products | 446.19 | 439.39 | 494.32 | 40.6 | 39.8 | 41.4 | 10.99 | 11.04 | 11.94 |
| Metal forgings and stampings | 607.05 | 594.91 | 631.63 | 41.1 | 41.0 | 41.5 | 14.77 | 14.51 | 15.22 |
| Nondurable Goods[f] | 407.95 | 401.58 | 391.64 | 39.8 | 39.8 | 39.4 | 10.25 | 10.09 | 9.94 |
| Food and kindred products | 417.52 | 415.44 | 421.58 | 39.5 | 40.1 | 39.4 | 10.57 | 10.36 | 10.70 |
| Rubber and misc. plastics products | 450.26 | 430.95 | 422.09 | 42.8 | 41.2 | 40.9 | 10.52 | 10.46 | 10.32 |
| TRANSPORTATION AND PUBLIC UTILITIES | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Communication, electric, gas services | 565.34 | 555.67 | 534.56 | 41.6 | 41.1 | 40.9 | 13.59 | 13.52 | 13.07 |
| WHOLESALE TRADE | 375.51 | 374.12 | 330.17 | 38.2 | 37.6 | 34.5 | 9.83 | 9.95 | 9.57 |
| RETAIL TRADE[h] | 154.90 | 152.64 | 156.42 | 28.9 | 28.8 | 28.7 | 5.36 | 5.30 | 5.45 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

## Selected Administrative Program Activities

| | September 1987 | August 1987 | September 1986 |
|---|---|---|---|
| **Employment Service Program** | | | |
| New Applicants | 1,224 | 1,326 | 1,526 |
| Active File of Job Seekers | 11,327 | 11,981 | 19,705 |
| Referrals to Jobs | 897 | 832 | 934 |
| Placements | 180 | 247 | 302 |
| Job Openings Received | 461 | 531 | 497 |
| Job Openings Unfilled | 735 | 788 | 284 |
| **Unemployment Insurance Program** | | | |
| Initial Claims | 1,833 | 1,616 | 6,893 |
| Continued Claims | 15,061 | 14,981 | 21,281 |
| First Payments | 699 | 831 | 720 |
| Last Payments | 203 | 281 | 351 |
| Weeks Compensated | 10,670 | 11,483 | 12,734 |
| Benefits Paid | $1,494,898 | $1,591,959 | $1,755,616 |
| Average Weekly Payment | $144.14 | $142.22 | $142.82 |

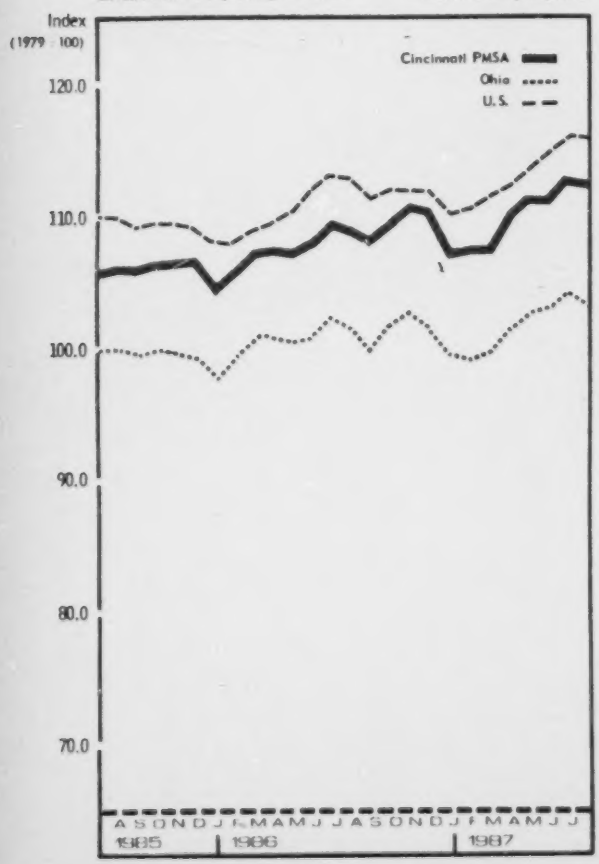
# CINCINNATI
## PRIMARY METROPOLITAN STATISTICAL AREA



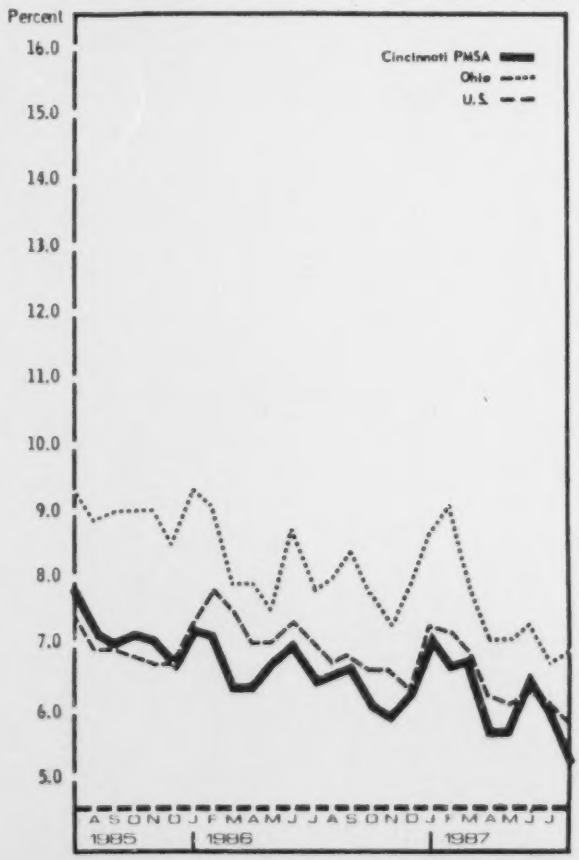

Nonfarm wage and salary employment in the Cincinnati metropolitan area was 687,800 in September, up 3,100 from August. Manufacturing employment, at 146,800, was down 2,400, due to permanent layoffs in motor vehicles and equipment. Seasonal losses in amusement and recreation services were more than offset by sharp increases in nonfaculty employment in state and local schools. Manufacturing production workers averaged $10.97 per hour, down $.10. Their average workweek increased slightly, to 42.9 hours.

Since September 1986, nonfarm employment has risen 24,400. Significant growth in retail trade, business and health services, and construction contributed most to the change. Manufacturing lost 2,500 workers over the year. Losses in motor vehicles and equipment and nonelectrical machinery overshadowed scattered gains in nondurable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)




UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

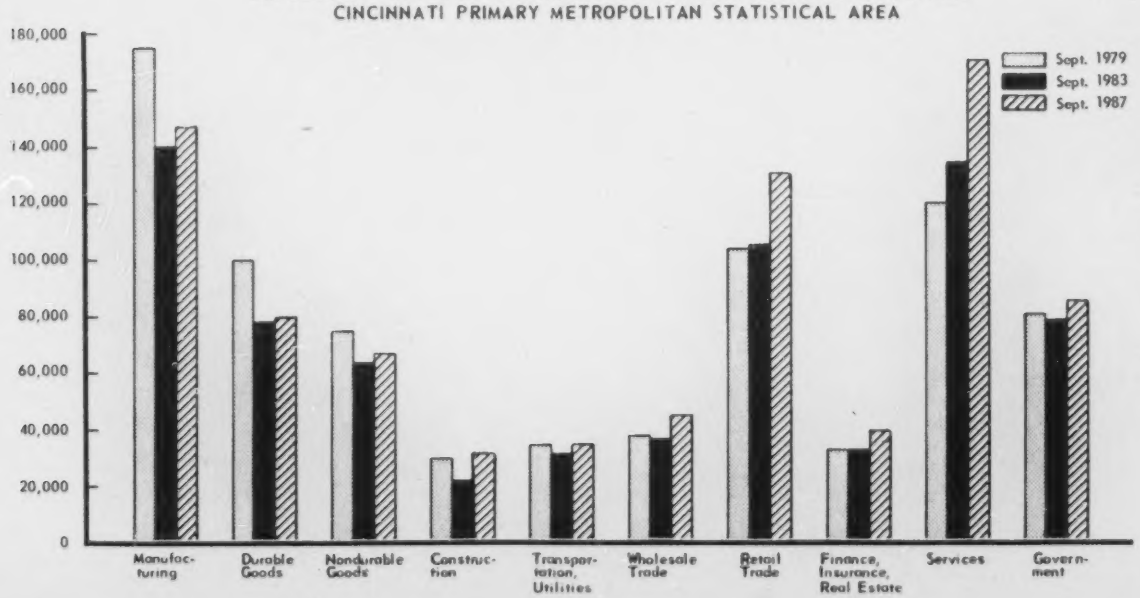


**CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA**
(Employed & Unemployed in Thousands)

| Civilian Labor Force | | | | | Nonagricultural Wage & Salary Employment | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Employed | | | | | Manufacturing Employment | | | | |
| | | Unemployed | | | | | Manufacturing Production Workers | | | |
| | | Total | Rate | | | | | Hours and Earnings | | |
| | | | | | | | | Average Weekly Earnings | Average Weekly Hours | Average Hourly Earnings |
| 604.8 | 566.6 | 38.2 | 6.3 | 1976 | 541.9 | 155.6 | 107.8 | $232.22 | 41.1 | $ 5.65 |
| 623.4 | 588.7 | 34.7 | 5.6 | 1977 | 562.1 | 161.1 | 110.7 | 260.83 | 41.6 | 6.27 |
| 648.3 | 615.8 | 32.5 | 5.0 | 1978 | 591.2 | 169.2 | 116.4 | 286.70 | 42.1 | 6.81 |
| 663.4 | 628.1 | 35.3 | 5.3 | 1979 | 607.4 | 173.1 | 117.0 | 303.37 | 41.5 | 7.31 |
| 676.2 | 628.8 | 47.5 | 7.0 | 1980 | 600.7 | 162.4 | 106.6 | 332.07 | 41.2 | 8.06 |
| 678.5 | 619.3 | 59.1 | 8.7 | 1981 | 592.2 | 157.3 | 103.5 | 360.86 | 41.1 | 8.78 |
| 684.3 | 612.4 | 71.9 | 10.5 | 1982 | 575.3 | 146.3 | 95.5 | 387.59 | 40.5 | 9.57 |
| 687.6 | 615.2 | 72.4 | 10.5 | 1983 | 575.6 | 140.4 | 87.7 | 415.52 | 41.1 | 10.11 |
| 695.9 | 638.4 | 57.5 | 8.3 | 1984 | 600.8 | 145.0 | 96.5 | 441.41 | 41.8 | 10.56 |
| 710.6 | 659.1 | 51.5 | 7.2 | 1985 | 628.1 | 147.1 | 96.8 | 441.74 | 41.4 | 10.67 |
| 726.5 | 679.4 | 47.2 | 6.5 | 1986 | 651.2 | 147.9 | 95.7 | 453.00 | 42.1 | 10.76 |
| | | | | 1986 | | | | | | |
| 730.4 | 683.1 | 47.3 | 6.5 | August | 655.3 | 148.7 | 96.6 | 452.81 | 42.2 | 10.73 |
| 725.7 | 678.0 | 47.7 | 6.6 | September | 663.3 | 149.3 | 97.2 | 456.84 | 42.3 | 10.80 |
| 733.0 | 689.2 | 43.7 | 6.0 | October | 665.5 | 149.2 | 97.1 | 459.00 | 42.5 | 10.80 |
| 738.8 | 696.2 | 42.5 | 5.8 | November | 667.5 | 149.4 | 97.3 | 474.57 | 43.3 | 10.96 |
| 738.5 | 693.0 | 45.5 | 6.2 | December | 669.1 | 148.6 | 96.3 | 472.14 | 43.0 | 10.98 |
| | | | | 1987 | | | | | | |
| 727.5 | 671.9 | 55.6 | 7.6 | January | 650.8 | 144.3 | 91.8 | 458.53 | 42.3 | 10.84 |
| 726.9 | 675.2 | 51.6 | 7.1 | February | 655.2 | 147.2 | 94.6 | 467.25 | 42.4 | 11.02 |
| 727.0 | 675.0 | 52.0 | 7.2 | March | 657.2 | 143.9 | 91.6 | 462.40 | 42.5 | 10.88 |
| 732.2 | 691.5 | 40.7 | 5.6 | April | 671.8 | 147.5 | 95.3 | 459.38 | 41.8 | 10.99 |
| 740.9 | 699.3 | 41.6 | 5.6 | May | 678.7 | 148.1 | 95.7 | 466.15 | 42.3 | 11.02 |
| 747.8 | 698.8 | 48.9 | 6.5 | June | 679.2 | 145.4 | 92.6 | 466.52 | 42.8 | 10.90 |
| 752.9 | 708.5 | 44.4 | 5.9 | July | 678.2 | 145.6 | 92.4 | 451.73 | 42.1 | 10.73 |
| 744.3 | 705.4 | 38.9 | 5.2 | August | 684.7 | 149.2 | 96.2 | 472.69 | 42.7 | 11.07 |
| INA | INA | INA | INA | September | 687.8 | 146.8 | 94.0 | 470.61 | 42.9 | 10.97 |

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

## Nonagricultural Wage & Salary Employment[a]

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | September 1987[b] | August 1987[c] | September 1986[c] | From Last Month | From Last Year |
| **TOTAL** | 687.8 | 684.7 | 663.3 | 3.1 | 24.4 |
| **MANUFACTURING** | 146.8 | 149.2 | 149.3 | - 2.4 | - 2.5 |
| Durable Goods[e] | 79.5 | 82.4 | 82.7 | - 2.8 | - 3.2 |
| Fabricated metal products | 11.3 | 11.2 | 11.0 | .0 | .3 |
| Fabricated structural metal products | 4.6 | 4.4 | 4.1 | .2 | .5 |
| Machinery, except electrical | 19.5 | 19.4 | 20.6 | .1 | - 1.1 |
| Metalworking machinery | 7.9 | 7.9 | 8.7 | .0 | - .8 |
| General industrial machinery | 2.7 | 2.6 | 2.8 | .0 | - .2 |
| Electric and electronic equipment | 7.5 | 7.5 | 7.7 | .0 | - .2 |
| Transportation equipment | 25.6 | 28.8 | 28.5 | - 3.2 | - 2.9 |
| Motor vehicles and equipment | 5.0 | 8.1 | 8.4 | - 3.1 | - 3.5 |
| Nondurable Goods[f] | 67.2 | 66.8 | 66.5 | .4 | .7 |
| Food and kindred products | 13.4 | 13.3 | 13.2 | .1 | .1 |
| Beverages | 3.8 | 3.9 | 4.0 | - .1 | - .3 |
| Apparel and other textile products | 3.8 | 3.7 | 3.5 | .1 | .3 |
| Paper and allied products | 6.9 | 6.7 | 6.4 | .2 | .5 |
| Printing and publishing | 13.4 | 13.4 | 13.0 | .0 | .3 |
| Commercial printing | 6.1 | 5.9 | 5.5 | .2 | .5 |
| Chemicals and allied products | 22.3 | 22.3 | 22.4 | .0 | - .1 |
| Rubber and misc. plastics products | 5.7 | 5.6 | 5.6 | .1 | .0 |
| **NONMANUFACTURING**[g] | 541.0 | 535.5 | 514.0 | 5.5 | 27.0 |
| CONSTRUCTION | 31.6 | 31.7 | 28.6 | - .1 | 3.1 |
| TRANSPORTATION AND PUBLIC UTILITIES | 35.5 | 35.0 | 34.7 | .4 | .8 |
| Trucking and warehousing | 9.7 | 9.7 | 9.7 | .0 | .1 |
| Communication, electric, gas services | 15.3 | 15.4 | 15.4 | - .1 | - .1 |
| WHOLESALE TRADE | 45.5 | 45.4 | 43.2 | .1 | 2.4 |
| Wholesale trade-durable goods | 27.3 | 27.3 | 25.8 | .0 | 1.5 |
| RETAIL TRADE | 131.1 | 130.6 | 125.1 | .6 | 6.0 |
| General merchandise stores | 19.4 | 19.2 | 18.9 | .3 | .5 |
| FINANCE, INSURANCE, AND REAL ESTATE | 40.4 | 40.8 | 38.5 | - .5 | 1.9 |
| Banking | 8.5 | 8.6 | 8.2 | .0 | .4 |
| Insurance carriers | 13.2 | 13.2 | 12.6 | .0 | .6 |
| SERVICES | 170.2 | 170.2 | 158.8 | .0 | 11.4 |
| Hotels and other lodging places | 6.9 | 7.0 | 6.8 | - .1 | .1 |
| Personal services | 8.4 | 8.3 | 7.9 | .1 | .5 |
| Business services | 41.1 | 40.7 | 36.9 | .4 | 4.2 |
| Amusement and recreation services | 10.0 | 10.9 | 9.5 | - .9 | .5 |
| Health services | 52.5 | 52.6 | 48.9 | - .1 | 3.6 |
| Hospitals | 25.1 | 25.2 | 23.7 | - .1 | 1.4 |
| GOVERNMENT | 86.3 | 81.4 | 84.9 | 4.8 | 1.4 |
| Federal government | 14.3 | 14.0 | 13.8 | .3 | .4 |
| State government | 18.9 | 18.1 | 18.4 | .8 | .5 |
| State government education[1] | 10.9 | 10.0 | 10.4 | .9 | .5 |
| State government, except education | 8.0 | 8.1 | 8.0 | - .1 | .0 |
| Local government | 53.1 | 49.4 | 52.7 | 3.7 | .4 |
| Local government education | 30.7 | 26.7 | 30.3 | 4.0 | .4 |
| Local government, except education | 22.4 | 22.7 | 22.3 | - .3 | .1 |

## Hours & Earnings of Production or Nonsupervisory Workers[a]

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] |
| MANUFACTURING | $470.61 | $472.69 | $456.84 | 42.9 | 42.7 | 42.3 | $10.97 | $11.07 | $10.80 |
| Durable Goods[d] | 468.94 | 476.19 | 466.04 | 43.3 | 42.9 | 42.6 | 10.83 | 11.10 | 10.94 |
| Fabricated metal products | 429.87 | 424.76 | 411.61 | 44.5 | 43.7 | 43.1 | 9.66 | 9.72 | 9.55 |
| Fabricated structural metal products | 449.57 | 437.40 | 443.77 | 46.3 | 45.0 | 44.6 | 9.71 | 9.72 | 9.95 |
| Machinery, except electrical | 409.19 | 414.81 | 419.89 | 41.5 | 41.9 | 42.2 | 9.86 | 9.90 | 9.95 |
| Metalworking machinery | 451.26 | 461.55 | 463.75 | 41.9 | 42.5 | 42.9 | 10.77 | 10.86 | 10.81 |
| General industrial machinery | 423.20 | 398.90 | 402.48 | 44.5 | 42.8 | 42.5 | 9.51 | 9.32 | 9.47 |
| Electric and electronic equipment | 358.18 | 351.20 | 369.15 | 40.2 | 40.0 | 41.2 | 8.91 | 8.78 | 8.96 |
| Transportation equipment | 694.85 | 673.80 | 661.93 | 46.2 | 44.3 | 45.4 | 15.04 | 15.21 | 14.58 |
| Motor vehicles and equipment | 773.30 | 689.60 | 689.47 | 47.5 | 43.1 | 44.8 | 16.28 | 16.00 | 15.39 |
| Nondurable Goods[e] | 472.18 | 469.20 | 445.40 | 42.5 | 42.5 | 41.9 | 11.11 | 11.04 | 10.63 |
| Food and kindred products | 527.58 | 529.02 | 483.09 | 44.9 | 45.1 | 43.6 | 11.75 | 11.73 | 11.08 |
| Beverages | 534.60 | 538.82 | 541.45 | 42.7 | 42.9 | 44.2 | 12.52 | 12.56 | 12.25 |
| Apparel and other textile products | 214.70 | 215.84 | 208.82 | 37.8 | 38.0 | 36.7 | 5.68 | 5.68 | 5.69 |
| Paper and allied products | 442.68 | 432.58 | 406.55 | 43.4 | 43.0 | 41.4 | 10.20 | 10.06 | 9.82 |
| Printing and publishing | 484.88 | 470.09 | 454.91 | 42.2 | 41.2 | 39.8 | 11.49 | 11.41 | 11.43 |
| Commercial printing | 544.24 | 517.09 | 520.26 | 46.2 | 44.5 | 43.5 | 11.78 | 11.62 | 11.96 |
| Chemicals and allied products | 523.27 | 530.04 | 509.78 | 41.3 | 42.0 | 42.2 | 12.67 | 12.62 | 12.08 |
| Rubber and misc. plastics products | 442.38 | 414.70 | 422.27 | 45.7 | 44.4 | 46.2 | 9.68 | 9.34 | 9.14 |
| TRANSPORTATION AND PUBLIC UTILITIES | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Communication, electric, gas services | 555.41 | 543.10 | 528.68 | 40.6 | 40.2 | 39.9 | 13.68 | 13.51 | 13.25 |
| WHOLESALE TRADE | 397.44 | 389.91 | 384.74 | 41.1 | 41.0 | 40.8 | 9.67 | 9.51 | 9.43 |
| RETAIL TRADE[h] | 168.67 | 167.01 | 163.79 | 29.8 | 30.2 | 29.3 | 5.66 | 5.53 | 5.59 |
| FINANCE, INSURANCE, AND REAL ESTATE | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Banking | 258.95 | 256.92 | 253.20 | .... | .... | .... | ..... | ..... | ..... |

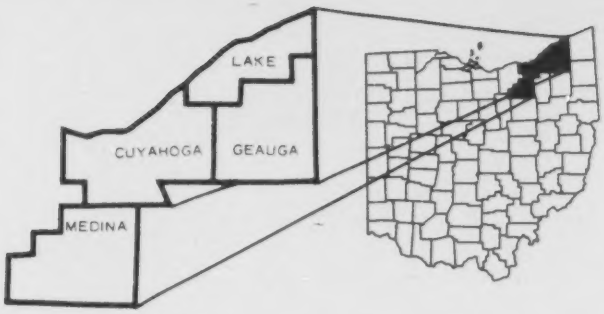
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

## Selected Administrative Program Activities[a]

| | September 1987 | August 1987 | September 1986 |
|---|---|---|---|
| **Employment Service Program** | | | |
| New Applicants | 4,328 | 2,802 | 4,134 |
| Active File of Job Seekers | 16,686 | 17,022 | 26,429 |
| Referrals to Jobs | 1,912 | 2,265 | 2,047 |
| Placements | 371 | 603 | 606 |
| Job Openings Received | 1,691 | 1,884 | 1,260 |
| Job Openings Unfilled | 3,459 | 3,434 | 1,799 |
| **Unemployment Insurance Program** | | | |
| Initial Claims | 5,226 | 4,113 | 4,213 |
| Continued Claims | 36,320 | 29,639 | 38,114 |
| First Payments | 2,683 | 1,361 | 1,658 |
| Last Payments | 517 | 648 | 799 |
| Weeks Compensated | 23,650 | 23,463 | 26,222 |
| Benefits Paid | $3,461,339 | $3,217,682 | $3,702,221 |
| Average Weekly Payment | $149.17 | $139.84 | $144.17 |

[a]Ohio data only

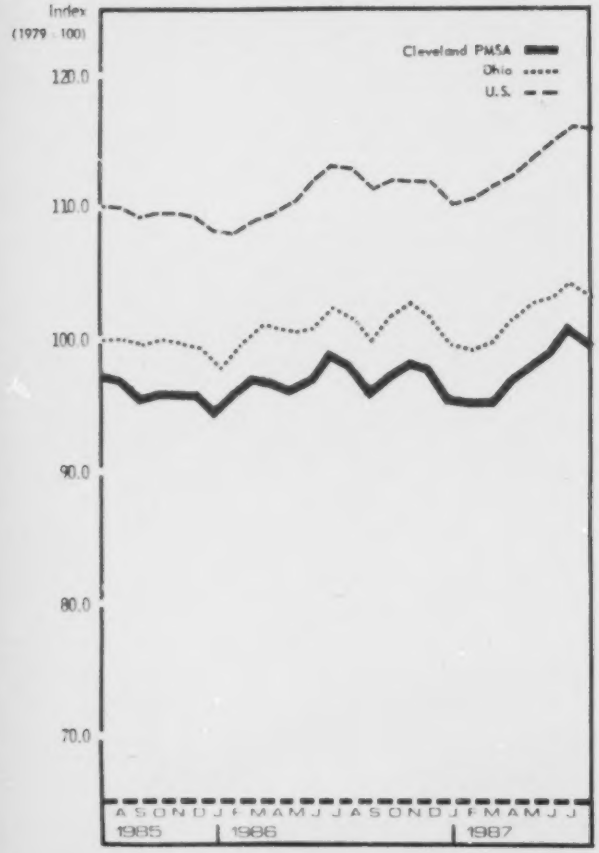
# CLEVELAND
## PRIMARY METROPOLITAN STATISTICAL AREA



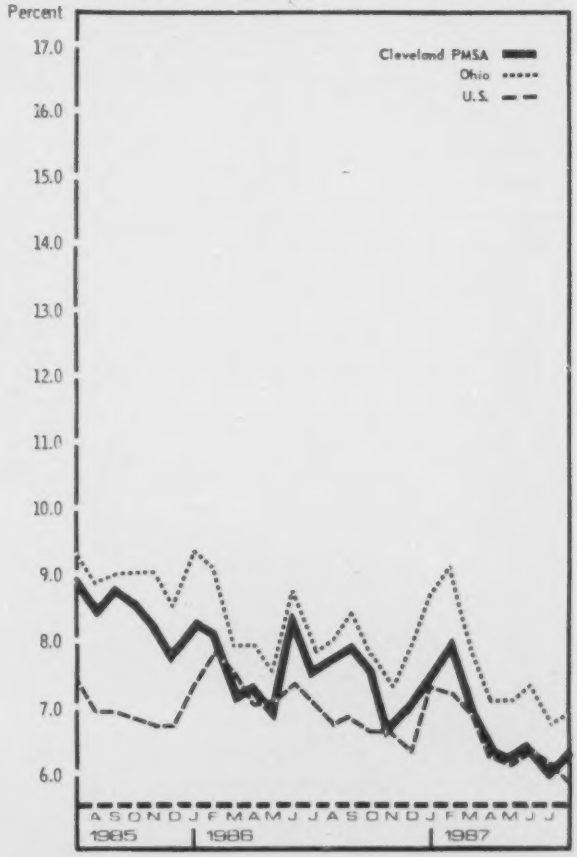

September employment in the Cleveland PMSA rose 1,900 from August, to 910,200. Gains in motor vehicles and equipment boosted manufacturing employment 1,000, to 204,300. Services and retail trade also had significant increases. A large decline in noneducational local government was partially offset by the return of nonteaching personnel to the local schools. Production workers earned an average of $11.47 an hour for a workweek of 42.3 hours, both down slightly from August.

Nonagricultural employment in the Cleveland area was up 20,800 from September 1986. Most of the increase was in services and retail trade, although finance, insurance, and real estate also advanced significantly. Manufacturing employment declined 1,200 over the year. Losses in durable-goods industries, especially instruments and related products and nonelectrical machinery, were somewhat negated by gains in most nondurable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)




UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

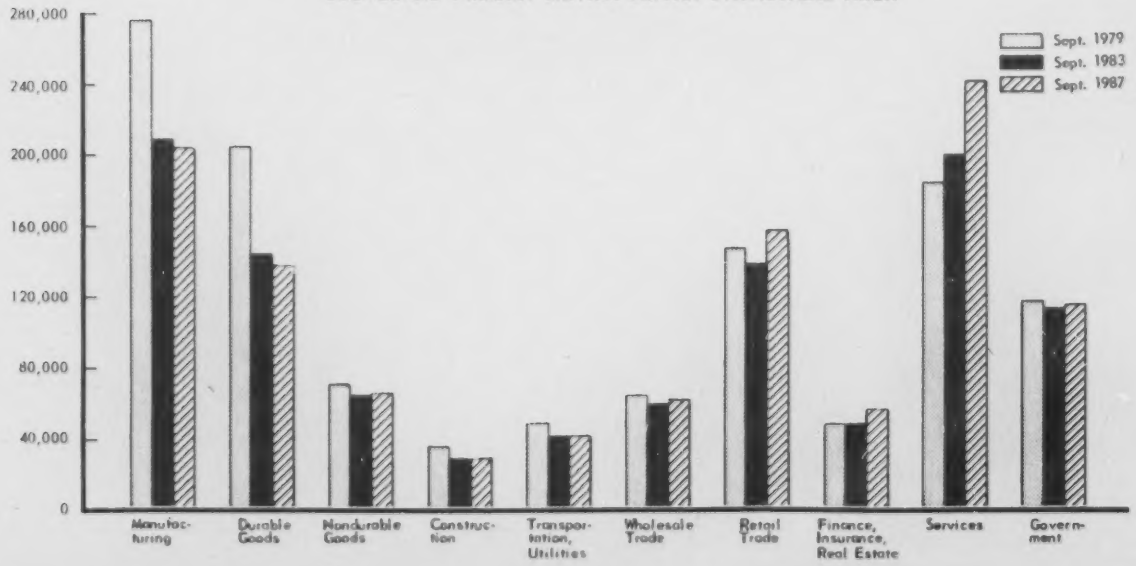


**CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA**
(Employed & Unemployed in Thousands)

| Civilian Labor Force | | | | | Nonagricultural Wage & Salary Employment | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Employed | | | | | Manufacturing Employment | | | | |
| | | Unemployed | | | | | Manufacturing Production Workers | | | |
| | | Total | Rate | | | | | Hours and Earnings | | |
| | | | | | | | | Average Weekly Earnings | Average Weekly Hours | Average Hourly Earnings |
| 897.7 | 834.4 | 63.3 | 7.0 | 1976 | 860.0 | 265.1 | 180.9 | $260.62 | 41.9 | $ 6.22 |
| 908.5 | 854.4 | 54.0 | 5.9 | 1977 | 880.9 | 270.8 | 184.0 | 292.75 | 42.8 | 6.84 |
| 921.7 | 878.5 | 43.2 | 4.7 | 1978 | 905.8 | 275.6 | 188.0 | 321.75 | 42.9 | 7.50 |
| 935.8 | 889.1 | 46.7 | 5.0 | 1979 | 919.8 | 276.3 | 188.6 | 337.60 | 42.2 | 8.00 |
| 937.1 | 869.1 | 68.0 | 7.3 | 1980 | 895.7 | 254.9 | 169.2 | 350.38 | 40.6 | 8.63 |
| 933.9 | 854.0 | 79.8 | 8.5 | 1981 | 880.7 | 246.8 | 161.8 | 395.38 | 41.1 | 9.62 |
| 933.4 | 833.2 | 100.2 | 10.7 | 1982 | 844.6 | 223.0 | 141.8 | 402.99 | 39.9 | 10.10 |
| 928.7 | 823.4 | 105.3 | 11.3 | 1983 | 829.8 | 207.3 | 132.4 | 427.41 | 40.9 | 10.45 |
| 923.6 | 841.0 | 82.6 | 8.9 | 1984 | 854.5 | 213.8 | 137.5 | 456.12 | 42.0 | 10.86 |
| 926.0 | 849.2 | 76.8 | 8.3 | 1985 | 868.7 | 211.2 | 135.1 | 467.74 | 41.8 | 11.19 |
| 934.3 | 864.1 | 70.2 | 7.5 | 1986 | 880.8 | 205.5 | 132.0 | 481.62 | 42.1 | 11.44 |
| | | | | 1986 | | | | | | |
| 945.4 | 872.8 | 72.6 | 7.7 | August | 887.6 | 204.1 | 130.2 | 479.94 | 42.1 | 11.40 |
| 925.5 | 851.9 | 73.5 | 7.9 | September | 889.4 | 205.5 | 131.6 | 485.06 | 42.4 | 11.44 |
| 939.0 | 868.2 | 70.8 | 7.5 | October | 890.6 | 203.8 | 129.8 | 480.36 | 42.1 | 11.41 |
| 939.3 | 877.3 | 62.0 | 6.6 | November | 893.9 | 205.2 | 131.4 | 500.39 | 43.1 | 11.61 |
| 935.9 | 870.4 | 65.5 | 7.0 | December | 896.5 | 205.4 | 131.6 | 505.61 | 43.4 | 11.65 |
| | | | | 1987 | | | | | | |
| 920.6 | 851.9 | 68.7 | 7.5 | January | 877.6 | 203.9 | 130.6 | 503.84 | 43.1 | 11.69 |
| 921.8 | 848.5 | 73.4 | 8.0 | February | 876.0 | 203.6 | 130.4 | 493.64 | 42.3 | 11.67 |
| 914.3 | 850.9 | 63.4 | 6.9 | March | 881.0 | 203.6 | 130.7 | 498.07 | 42.9 | 11.61 |
| 923.1 | 865.1 | 58.0 | 6.3 | April | 893.4 | 203.8 | 130.9 | 494.89 | 42.7 | 11.59 |
| 930.8 | 872.8 | 58.0 | 6.2 | May | 900.8 | 203.9 | 130.3 | 493.19 | 42.7 | 11.55 |
| 940.0 | 879.7 | 60.3 | 6.4 | June | 908.0 | 204.2 | 130.5 | 494.21 | 42.9 | 11.52 |
| 954.0 | 897.4 | 56.6 | 5.9 | July | 910.0 | 202.8 | 128.9 | 476.52 | 41.8 | 11.40 |
| 941.9 | 882.5 | 59.4 | 6.3 | August | 908.3 | 203.3 | 129.6 | 486.75 | 42.4 | 11.48 |
| INA | INA | INA | INA | September | 910.2 | 204.3 | 130.6 | 485.18 | 42.3 | 11.47 |

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



## Cleveland PMSA

# Nonagricultural Wage & Salary Employment[a]

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | September 1987[b] | August 1987[c] | September 1986[c] | From Last Month | From Last Year |
| TOTAL | 910.2 | 908.3 | 889.4 | 1.9 | 20.8 |
| MANUFACTURING | 204.3 | 203.3 | 205.5 | 1.0 | - 1.2 |
| Durable Goods[e] | 138.1 | 137.2 | 140.8 | .9 | - 2.7 |
| Primary metal industries | 20.9 | 20.8 | 21.2 | .1 | - .3 |
| Iron and steel foundries | 5.2 | 5.1 | 5.4 | .1 | - .2 |
| Fabricated metal products | 32.6 | 32.7 | 32.7 | - .1 | - .1 |
| Fabricated structural metal products | 3.9 | 3.8 | 3.9 | .1 | .0 |
| Screw machine products, bolts, etc. | 4.8 | 4.8 | 4.7 | .0 | .1 |
| Metal forgings and stampings | 11.0 | 11.2 | 11.0 | - .2 | .0 |
| Machinery, except electrical | 29.9 | 29.8 | 30.7 | .1 | - .8 |
| Construction and related machinery | 2.6 | 2.5 | 2.6 | .1 | .0 |
| Metalworking machinery | 9.8 | 9.8 | 10.0 | .0 | - .2 |
| Special industry machinery | 3.2 | 3.2 | 3.4 | .0 | - .2 |
| General industrial machinery | 2.7 | 2.7 | 2.9 | .0 | - .2 |
| Electric and electronic equipment | 18.8 | 18.7 | 19.1 | .2 | - .2 |
| Electrical industrial apparatus | 6.4 | 6.4 | 6.5 | .0 | - .1 |
| Transportation equipment | 19.0 | 18.4 | 19.3 | .6 | - .3 |
| Motor vehicles and equipment | 12.0 | 11.3 | 12.2 | .7 | - .3 |
| Instruments and related products | 6.3 | 6.3 | 7.5 | .0 | - 1.2 |
| Measuring and controlling devices | 4.1 | 4.1 | 4.3 | .0 | - .2 |
| Nondurable Goods[f] | 66.2 | 66.1 | 64.7 | .1 | 1.5 |
| Food and kindred products | 7.0 | 6.9 | 6.7 | .0 | .3 |
| Apparel and other textile products | 4.1 | 4.0 | 4.3 | .1 | - .2 |
| Paper and allied products | 5.6 | 5.6 | 5.4 | .0 | .2 |
| Printing and publishing | 16.9 | 17.1 | 16.6 | - .2 | .3 |
| Chemicals and allied products | 15.1 | 15.2 | 14.5 | - .1 | .6 |
| Rubber and misc. plastics products | 12.3 | 12.1 | 11.9 | .2 | .3 |
| NONMANUFACTURING[g] | 705.9 | 705.0 | 683.9 | .9 | 22.0 |
| CONSTRUCTION | 29.1 | 29.3 | 28.4 | - .2 | .7 |
| TRANSPORTATION AND PUBLIC UTILITIES | 41.9 | 41.9 | 41.8 | .0 | .0 |
| Trucking and warehousing | 12.1 | 12.2 | 11.5 | - .1 | .6 |
| Communication, electric, gas services | 18.2 | 18.3 | 18.9 | .0 | - .7 |
| WHOLESALE TRADE | 62.1 | 62.2 | 62.3 | - .1 | - .2 |
| Wholesale trade-durable goods | 42.7 | 42.8 | 43.3 | - .2 | - .6 |
| RETAIL TRADE | 157.9 | 157.2 | 153.4 | .6 | 4.4 |
| General merchandise stores | 20.1 | 19.7 | 20.2 | .4 | - .1 |
| FINANCE, INSURANCE, AND REAL ESTATE | 55.5 | 55.8 | 53.1 | - .3 | 2.5 |
| Banking | 13.7 | 13.7 | 13.1 | - .1 | .5 |
| Credit agencies other than banks | 9.2 | 9.3 | 8.8 | - .1 | .4 |
| Insurance carriers | 13.4 | 13.4 | 12.9 | .0 | .5 |
| SERVICES | 242.2 | 239.4 | 229.2 | 2.8 | 13.0 |
| Business services | 55.5 | 55.0 | 51.5 | .6 | 4.0 |
| Amusement and recreation services | 9.7 | 10.4 | 9.7 | - .6 | .1 |
| Health services | 76.0 | 76.1 | 72.6 | .0 | 3.5 |
| Hospitals | 44.1 | 44.3 | 41.9 | - .1 | 2.3 |
| GOVERNMENT | 116.2 | 118.2 | 114.5 | - 2.0 | 1.7 |
| Federal government | 20.4 | 20.5 | 20.2 | .0 | .3 |
| State government | 7.8 | 7.9 | 7.6 | - .2 | .2 |
| State government education[i] | 2.4 | 2.4 | 2.4 | .0 | .1 |
| State government, except education | 5.3 | 5.5 | 5.2 | - .2 | .2 |
| Local government | 88.0 | 89.8 | 86.7 | - 1.8 | 1.2 |
| Local government education | 41.8 | 40.1 | 41.1 | 1.7 | .7 |
| Local government, except education | 46.1 | 49.7 | 45.6 | - 3.5 | .5 |

## Hours & Earnings of Production or Nonsupervisory Workers[a]

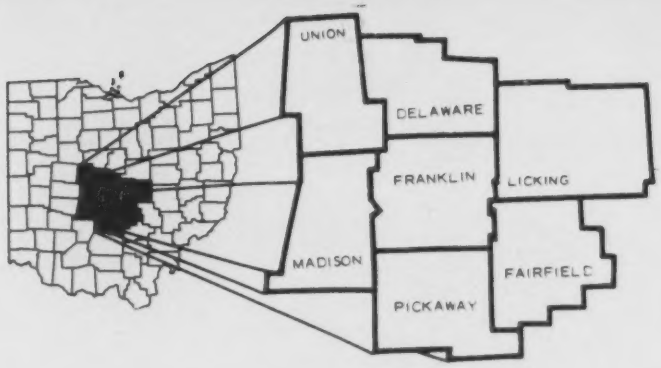
| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] |
| MANUFACTURING | $485.18 | $486.75 | $485.06 | 42.3 | 42.4 | 42.4 | $11.47 | $11.48 | $11.44 |
| Durable Goods[e] | 517.29 | 517.72 | 513.68 | 43.0 | 43.0 | 42.7 | 12.03 | 12.04 | 12.03 |
| Primary metal industries | 598.78 | 594.23 | 591.65 | 45.5 | 45.5 | 43.6 | 13.16 | 13.06 | 13.57 |
| Iron and steel foundries | 869.70 | 848.06 | 793.28 | 50.8 | 50.3 | 48.4 | 17.12 | 16.86 | 16.39 |
| Fabricated metal products | 505.14 | 509.32 | 501.50 | 42.7 | 42.8 | 42.9 | 11.83 | 11.90 | 11.69 |
| Fabricated structural metal products | 395.21 | 396.90 | 412.02 | 39.8 | 40.5 | 43.6 | 9.93 | 9.80 | 9.45 |
| Screw machine products, bolts, etc. | 471.05 | 465.70 | 435.56 | 43.9 | 44.1 | 41.8 | 10.73 | 10.56 | 10.42 |
| Metal forgings and stampings | 623.57 | 627.54 | 655.85 | 44.1 | 44.1 | 45.2 | 14.14 | 14.23 | 14.51 |
| Machinery, except electrical | 456.50 | 471.33 | 448.36 | 41.2 | 41.6 | 41.4 | 11.08 | 11.33 | 10.83 |
| Construction and related machinery | 388.33 | 401.84 | 436.93 | 43.1 | 44.5 | 45.8 | 9.01 | 9.03 | 9.54 |
| Metalworking machinery | 428.26 | 422.06 | 407.43 | 41.1 | 40.7 | 40.3 | 10.42 | 10.37 | 10.11 |
| Special industry machinery | 452.35 | 455.34 | 492.25 | 37.2 | 37.6 | 41.4 | 12.16 | 12.11 | 11.89 |
| General industrial machinery | 490.94 | 472.34 | 466.15 | 43.6 | 41.8 | 42.3 | 11.26 | 11.30 | 11.02 |
| Electric and electronic equipment | 447.37 | 446.29 | 425.72 | 41.5 | 41.4 | 40.7 | 10.78 | 10.78 | 10.46 |
| Electrical industrial apparatus | 514.68 | 516.29 | 448.26 | 44.6 | 44.7 | 41.2 | 11.54 | 11.55 | 10.88 |
| Transportation equipment | 685.82 | 680.35 | 701.57 | 45.6 | 45.6 | 46.4 | 15.04 | 14.92 | 15.12 |
| Motor vehicles and equipment | 732.79 | 730.51 | 737.68 | 45.6 | 45.6 | 46.6 | 16.07 | 16.02 | 15.83 |
| Instruments and related products | 394.13 | 389.64 | 407.53 | 40.8 | 40.8 | 41.5 | 9.66 | 9.55 | 9.82 |
| Measuring and controlling devices | 394.22 | 391.64 | 401.57 | 39.7 | 39.6 | 41.7 | 9.93 | 9.89 | 9.63 |
| Nondurable Goods[f] | 410.86 | 414.92 | 414.34 | 40.8 | 41.0 | 41.6 | 10.07 | 10.12 | 9.96 |
| Food and kindred products | 390.06 | 381.84 | 402.32 | 43.1 | 43.0 | 43.4 | 9.05 | 8.88 | 9.27 |
| Apparel and other textile products | 311.66 | 309.08 | 308.77 | 38.1 | 38.3 | 38.5 | 8.18 | 8.07 | 8.02 |
| Paper and allied products | 494.31 | 466.35 | 489.91 | 43.9 | 41.9 | 44.7 | 11.26 | 11.13 | 10.96 |
| Printing and publishing | 409.26 | 424.71 | 410.88 | 38.5 | 39.0 | 38.4 | 10.63 | 10.89 | 10.70 |
| Chemicals and allied products | 500.41 | 498.80 | 497.66 | 42.3 | 43.0 | 43.2 | 11.83 | 11.60 | 11.52 |
| Rubber and misc. plastics products | 359.68 | 377.04 | 377.54 | 41.2 | 41.8 | 43.0 | 8.73 | 9.02 | 8.78 |
| TRANSPORTATION AND PUBLIC UTILITIES | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Communication, electric, gas services | 595.65 | 593.98 | 571.87 | 41.8 | 41.8 | 41.5 | 14.25 | 14.21 | 13.78 |
| WHOLESALE TRADE | 395.76 | 394.97 | 389.08 | 38.8 | 39.3 | 39.5 | 10.20 | 10.05 | 9.85 |
| RETAIL TRADE[h] | 191.32 | 189.80 | 183.46 | 28.9 | 29.2 | 28.8 | 6.62 | 6.50 | 6.37 |
| FINANCE, INSURANCE, AND REAL ESTATE | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Banking | 289.26 | 300.02 | 294.47 | .... | .... | .... | ..... | ..... | ..... |
| SERVICES | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Health services | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Hospitals | 346.68 | 346.36 | 338.25 | 32.4 | 32.4 | 33.0 | 10.70 | 10.69 | 10.25 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

## Selected Administrative Program Activities

| | September 1987 | August 1987 | September 1986 |
|---|---|---|---|
| **Employment Service Program** | | | |
| New Applicants | 5,760 | 6,740 | 9,932 |
| Active File of Job Seekers | 60,494 | 61,485 | 106,123 |
| Referrals to Jobs | 2,168 | 2,923 | 6,256 |
| Placements | - 330 | 1,080 | 5,759 |
| Job Openings Received | 1,470 | 2,222 | 5,540 |
| Job Openings Unfilled | 2,803 | 2,929 | 4,012 |
| **Unemployment Insurance Program** | | | |
| Initial Claims | 6,008 | 6,554 | 7,096 |
| Continued Claims | 53,758 | 54,311 | 62,375 |
| First Payments | 2,541 | 3,460 | 2,805 |
| Last Payments | 966 | 1,101 | 1,179 |
| Weeks Compensated | 43,014 | 46,382 | 48,678 |
| Benefits Paid | $6,144,287 | $6,575,266 | $7,118,309 |
| Average Weekly Payment | $145.34 | $144.00 | $148.61 |

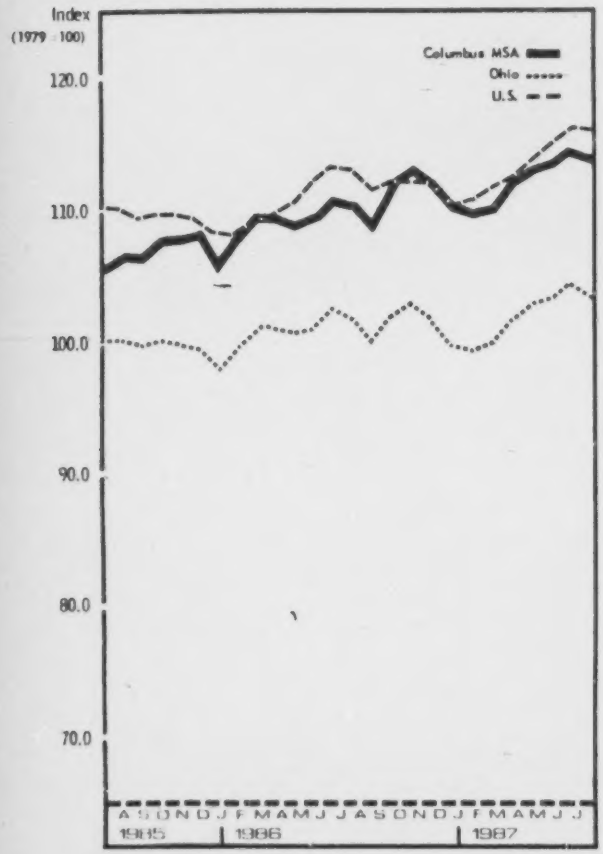
# COLUMBUS METROPOLITAN STATISTICAL AREA



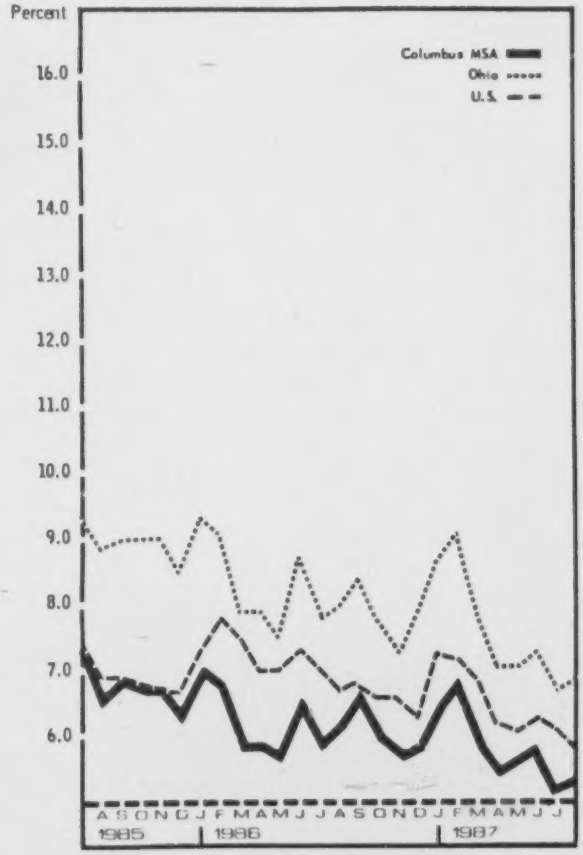

Nonfarm wage and salary employment in the Columbus area totaled 662,600 in September, up 4,800 from August. The seasonal return of nonteaching personnel in local schools and colleges accounted for most of the increase. Services and retail trade also registered noteworthy increases for the month. Manufacturing employment, at 102,600, showed a slight decline due to losses in transportation equipment. Factory production workers earned an average of $11.46 per hour, up $.08 from August. Their average workweek was 41.7 hours, up .6 hours.

Since September 1986, nonfarm employment increased 24,100. Growth in services and retail trade contributed most to the improvement, although all nonmanufacturing sectors recorded growth. Declines in transportation equipment, stone, clay, and glass products, and fabricated metal products more than offset improvements in nondurable-goods industries, as manufacturing employment fell 4,800 over the year.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)




UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

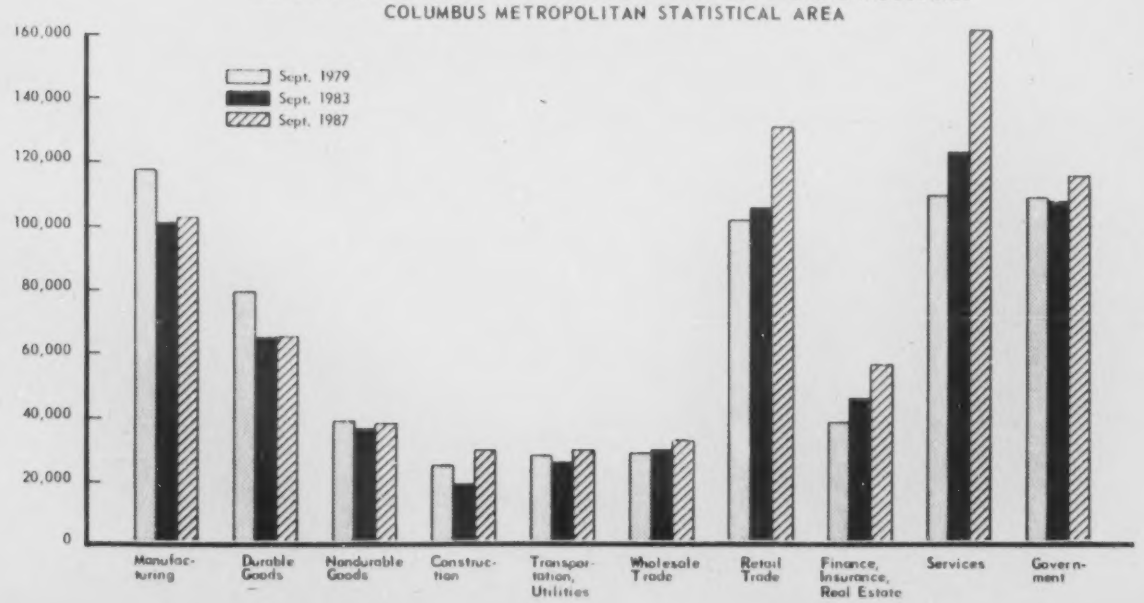


**COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA**
(Employed & Unemployed in Thousands)

| Civilian Labor Force | | | | | Nonagricultural Wage & Salary Employment | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Employed | | | | | Manufacturing Employment | | | | |
| | | Unemployed | | | | | Manufacturing Production Workers | | | |
| | | Total | Rate | | | | | Hours and Earnings | | |
| | | | | | | | | Average Weekly Earnings | Average Weekly Hours | Average Hourly Earnings |
| INA | INA | INA | INA | 1976 | 500.0 | 108.1 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1977 | 517.6 | 113.6 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1978 | 543.2 | 117.0 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1979 | 558.5 | 117.8 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1980 | 560.2 | 112.6 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1981 | 556.9 | 109.1 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1982 | 544.0 | 101.0 | INA | INA | INA | INA |
| 647.7 | 587.4 | 60.3 | 9.3 | 1983 | 548.5 | 98.7 | INA | INA | INA | INA |
| 633.5 | 584.3 | 49.2 | 7.8 | 1984 | 576.4 | 104.7 | 69.3 | $426.06 | 40.5 | $10.52 |
| 649.4 | 605.6 | 43.8 | 6.7 | 1985 | 603.6 | 106.1 | 70.8 | 442.95 | 40.9 | 10.83 |
| 675.7 | 634.4 | 41.3 | 6.1 | 1986 | 630.4 | 106.2 | 70.7 | 461.14 | 41.1 | 11.22 |
| | | | | 1986 | | | | | | |
| 679.2 | 637.7 | 41.5 | 6.1 | August | 631.9 | 106.3 | 70.6 | 461.66 | 41.0 | 11.26 |
| 671.2 | 626.7 | 44.4 | 6.6 | September | 638.6 | 107.4 | 71.5 | 465.86 | 41.3 | 11.28 |
| 687.8 | 647.1 | 40.7 | 5.9 | October | 645.0 | 105.2 | 69.5 | 459.82 | 40.8 | 11.27 |
| 691.1 | 652.3 | 38.7 | 5.6 | November | 648.7 | 106.1 | 70.6 | 467.93 | 41.3 | 11.33 |
| 686.7 | 646.6 | 40.0 | 5.8 | December | 650.5 | 105.9 | 70.4 | 472.79 | 41.4 | 11.42 |
| | | | | 1987 | | | | | | |
| 678.0 | 635.0 | 43.1 | 6.4 | January | 637.9 | 105.1 | 69.9 | 472.15 | 41.2 | 11.46 |
| 678.0 | 632.2 | 45.9 | 6.8 | February | 637.7 | 104.4 | 69.1 | 463.81 | 40.9 | 11.34 |
| 674.6 | 635.4 | 39.2 | 5.8 | March | 642.5 | 103.9 | 68.9 | 477.47 | 41.7 | 11.45 |
| 682.2 | 645.7 | 36.5 | 5.4 | April | 650.6 | 103.0 | 68.2 | 466.49 | 41.1 | 11.35 |
| 691.2 | 652.2 | 39.0 | 5.6 | May | 656.6 | 102.6 | 67.9 | 474.24 | 41.6 | 11.40 |
| 696.4 | 656.1 | 40.3 | 5.8 | June | 661.0 | 103.1 | 68.2 | 473.10 | 41.5 | 11.40 |
| 697.2 | 661.3 | 35.9 | 5.1 | July | 653.4 | 102.3 | 67.3 | 474.12 | 41.3 | 11.48 |
| 691.9 | 655.4 | 36.6 | 5.3 | August | 657.9 | 102.7 | 67.7 | 467.72 | 41.1 | 11.38 |
| INA | INA | INA | INA | September | 662.6 | 102.6 | 67.6 | 477.88 | 41.7 | 11.46 |

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

## Nonagricultural Wage & Salary Employment[a]

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | September 1987[b] | August 1987[c] | September 1986[c] | From Last Month | From Last Year |
| **TOTAL** | 662.6 | 657.9 | 638.6 | 4.8 | 24.1 |
| **MANUFACTURING** | 102.6 | 102.7 | 107.4 | - .1 | - 4.8 |
| Durable Goods[e] | 64.8 | 64.9 | 70.6 | - .1 | - 5.7 |
| Stone, clay, and glass products | 10.3 | 10.2 | 12.1 | .0 | - 1.8 |
| Glass and glassware, pressed or blown. | 4.2 | 4.3 | 4.8 | .0 | - .5 |
| Fabricated metal products | 9.0 | 8.8 | 10.2 | .2 | - 1.2 |
| Fabricated structural metal products | 2.8 | 2.8 | 3.1 | .0 | - .2 |
| Machinery, except electrical | 9.6 | 9.5 | 9.3 | .1 | .2 |
| Electric and electronic equipment | 10.8 | 10.7 | 11.4 | .1 | - .6 |
| Transportation equipment | 13.7 | 14.1 | 16.3 | - .4 | - 2.6 |
| Instruments and related products | 4.1 | 4.1 | 4.1 | .0 | .0 |
| Nondurable Goods[f] | 37.8 | 37.8 | 36.8 | .0 | 1.0 |
| Food and kindred products | 10.6 | 10.6 | 10.0 | .0 | .6 |
| Printing and publishing | 9.9 | 9.9 | 9.8 | .0 | .1 |
| Chemicals and allied products | 7.2 | 7.2 | 7.2 | .0 | .0 |
| Rubber and misc. plastics products | 5.6 | 5.5 | 5.4 | .1 | .2 |
| **NONMANUFACTURING[g]** | 560.0 | 555.1 | 531.2 | 4.9 | 28.8 |
| CONSTRUCTION | 29.8 | 30.1 | 26.9 | - .3 | 2.9 |
| TRANSPORTATION AND PUBLIC UTILITIES | 29.6 | 29.3 | 27.8 | .3 | 1.8 |
| Trucking and warehousing | 11.9 | 11.8 | 10.9 | .1 | 1.0 |
| Communication, electric, gas services | 12.4 | 12.4 | 12.2 | .0 | .2 |
| WHOLESALE TRADE | 33.4 | 33.2 | 32.5 | .2 | .8 |
| Wholesale trade-durable goods | 21.7 | 21.7 | 21.2 | .1 | .5 |
| RETAIL TRADE | 131.4 | 130.3 | 125.5 | 1.1 | 5.9 |
| General merchandise stores | 18.3 | 17.9 | 17.9 | .4 | .4 |
| FINANCE, INSURANCE, AND REAL ESTATE | 57.2 | 57.3 | 54.4 | - .1 | 2.8 |
| Banking | 12.0 | 12.0 | 11.6 | .0 | .4 |
| Insurance carriers | 21.8 | 21.7 | 21.0 | .1 | .7 |
| SERVICES | 162.0 | 160.5 | 149.6 | 1.5 | 12.4 |
| Business services | 37.7 | 37.6 | 33.9 | .2 | 3.8 |
| Health services | 40.8 | 40.8 | 38.4 | .1 | 2.5 |
| Hospitals | 17.6 | 17.6 | 16.7 | .0 | .9 |
| GOVERNMENT | 115.6 | 113.4 | 113.6 | 2.2 | 2.0 |
| Federal government | 15.5 | 15.6 | 15.5 | .0 | .0 |
| State government | 48.8 | 49.2 | 47.4 | - .4 | 1.3 |
| State government education[1] | 18.1 | 17.9 | 17.8 | .1 | .3 |
| State government, except education | 30.7 | 31.2 | 29.6 | - .5 | 1.0 |
| Local government | 51.3 | 48.6 | 50.6 | 2.7 | .7 |
| Local government education | 30.3 | 27.5 | 29.8 | 2.7 | .4 |
| Local government, except education | 21.1 | 21.1 | 20.8 | .0 | .2 |

## Hours & Earnings of Production or Nonsupervisory Workers[a]

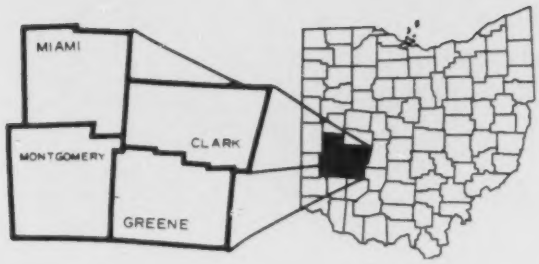
| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] |
| MANUFACTURING | $477.88 | $467.72 | $465.86 | 41.7 | 41.1 | 41.3 | $11.46 | $11.38 | $11.28 |
| Durable Goods[e] | 487.14 | 477.99 | 479.00 | 41.6 | 41.1 | 41.4 | 11.71 | 11.63 | 11.57 |
| Stone, clay, and glass products | 487.21 | 464.04 | 464.88 | 41.5 | 39.9 | 39.0 | 11.74 | 11.63 | 11.92 |
| Glass and glassware, pressed or blown. | 459.54 | 412.42 | 464.06 | 41.4 | 38.4 | 40.6 | 11.10 | 10.74 | 11.43 |
| Fabricated metal products | 507.55 | 495.32 | 484.33 | 41.5 | 40.7 | 40.7 | 12.23 | 12.17 | 11.90 |
| Fabricated structural metal products | 441.79 | 436.30 | 438.68 | 41.6 | 40.7 | 41.7 | 10.62 | 10.72 | 10.52 |
| Machinery, except electrical | 452.38 | 437.54 | 437.00 | 42.2 | 41.2 | 41.5 | 10.72 | 10.62 | 10.53 |
| Electric and electronic equipment | 455.06 | 451.45 | 458.27 | 40.2 | 40.2 | 41.1 | 11.32 | 11.23 | 11.15 |
| Transportation equipment | 595.38 | 598.69 | 566.69 | 43.3 | 43.7 | 44.1 | 13.75 | 13.70 | 12.85 |
| Instruments and related products | 437.38 | 420.43 | 394.47 | 42.3 | 41.3 | 40.5 | 10.34 | 10.18 | 9.74 |
| Nondurable Goods[f] | 461.58 | 447.58 | 435.83 | 42.0 | 41.1 | 41.0 | 10.99 | 10.89 | 10.63 |
| Food and kindred products | 449.34 | 460.22 | 431.79 | 41.3 | 42.3 | 41.8 | 10.88 | 10.88 | 10.33 |
| Printing and publishing | 547.82 | 523.51 | 507.05 | 40.7 | 39.6 | 39.8 | 13.46 | 13.22 | 12.74 |
| Chemicals and allied products | 530.04 | 502.90 | 508.40 | 41.9 | 40.2 | 41.3 | 12.65 | 12.51 | 12.31 |
| Rubber and misc. plastics products | 367.25 | 337.43 | 334.51 | 44.3 | 41.2 | 41.4 | 8.29 | 8.19 | 8.08 |
| TRANSPORTATION AND PUBLIC UTILITIES | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Communication, electric, gas services | 582.82 | 576.63 | 563.68 | 41.6 | 41.1 | 41.6 | 14.01 | 14.03 | 13.55 |
| WHOLESALE TRADE | 353.51 | 354.24 | 340.07 | 38.3 | 38.8 | 38.6 | 9.23 | 9.13 | 8.81 |
| RETAIL TRADE[h] | 172.76 | 173.52 | 165.02 | 28.0 | 28.4 | 28.5 | 6.17 | 6.11 | 5.79 |
| FINANCE, INSURANCE, AND REAL ESTATE | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Banking | 256.67 | 266.70 | 244.17 | .... | .... | .... | ..... | ..... | ..... |
| SERVICES | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Health services | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Hospitals | 331.27 | 331.62 | 323.61 | 34.4 | 34.4 | 34.5 | 9.63 | 9.64 | 9.38 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

## Selected Administrative Program Activities

| | September 1987 | August 1987 | September 1986 |
|---|---|---|---|
| **Employment Service Program** | | | |
| New Applicants | 5,295 | 6,136 | 4,866 |
| Active File of Job Seekers | 32,234 | 32,376 | 36,664 |
| Referrals to Jobs | 3,029 | 2,779 | 3,153 |
| Placements | 1,546 | 999 | 1,147 |
| Job Openings Received | 2,037 | 2,705 | 2,811 |
| Job Openings Unfilled | 3,526 | 4,940 | 6,854 |
| **Unemployment Insurance Program** | | | |
| Initial Claims | 3,908 | 4,387 | 4,970 |
| Continued Claims | 34,617 | 33,036 | 35,318 |
| First Payments | 1,884 | 1,817 | 1,681 |
| Last Payments | 674 | 745 | 498 |
| Weeks Compensated | 27,138 | 28,423 | 25,227 |
| Benefits Paid | $4,109,616 | $4,297,857 | $3,625,454 |
| Average Weekly Payment | $155.27 | $154.32 | $147.37 |

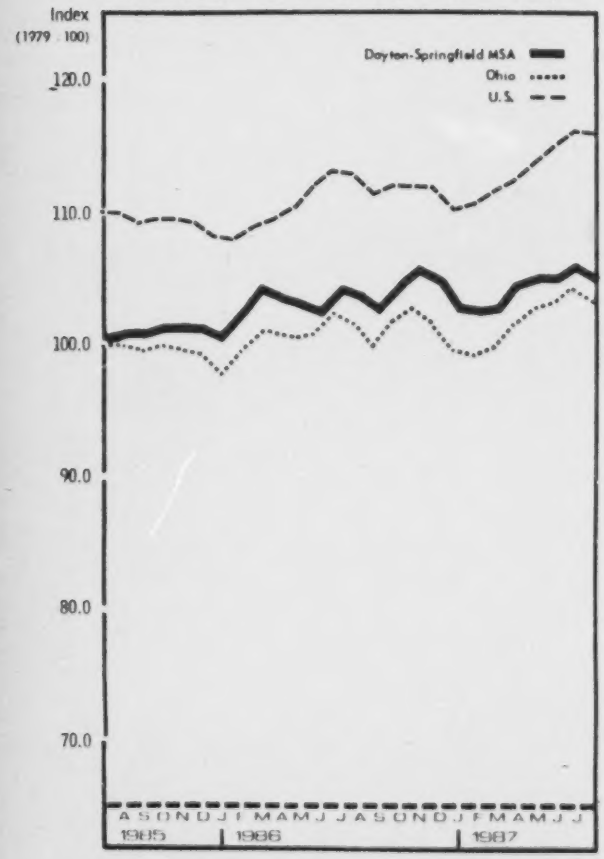
# DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



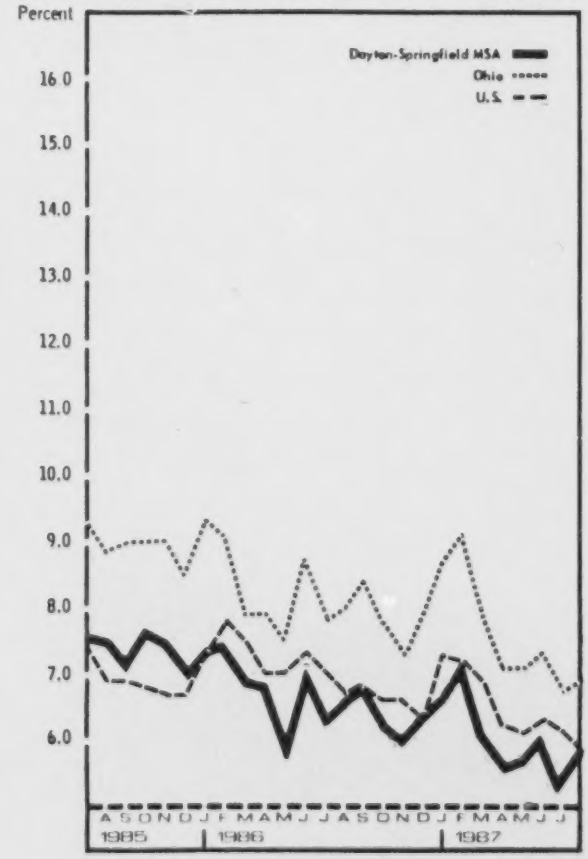

Nonagricultural wage and salary employment in the Dayton-Springfield area, at 437,500, was up 6,000 from August. Most of the gain was in government, as local schools reopened, and in services. Increases in transportation equipment and other durable goods helped advance manufacturing employment 700, to 105,400. Factory production workers had an average workweek of 41.5 hours, down .2 hours from August. Their average hourly earnings dipped fractionally, to $11.81.

Nonfarm payroll employment increased 9,900 from September 1986. Services, construction, and retail trade had the largest gains. Although several industries had greater employment, declines in nonelectrical machinery, rubber and miscellaneous plastics products, and transportation equipment brought manufacturing employment down 1,400 over the year.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)




UNEMPLOYMENT RATES
DAYTON SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

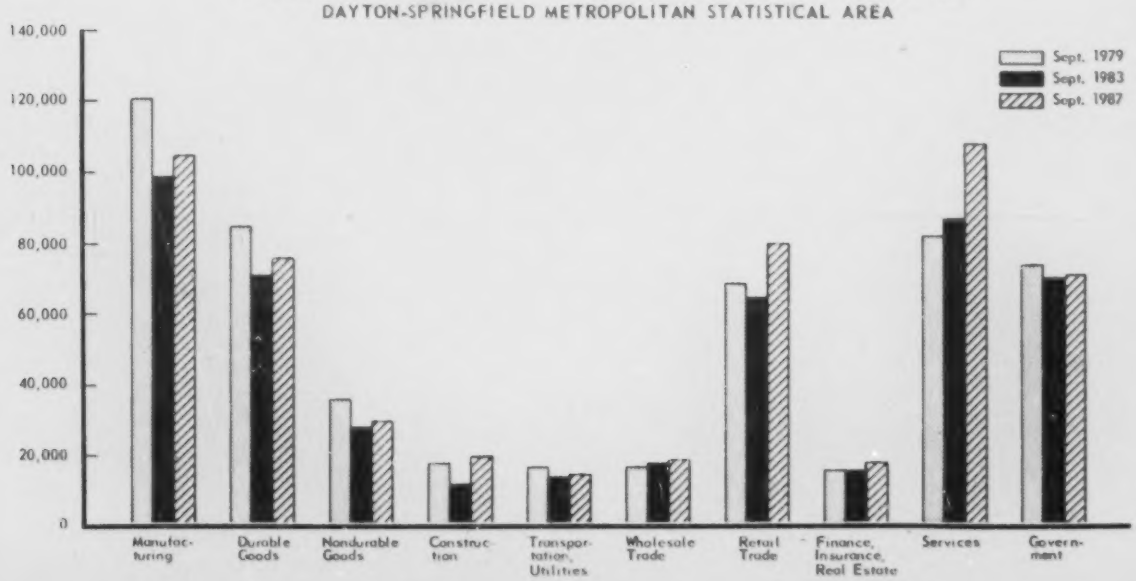


**DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA**
(Employed & Unemployed in Thousands)

| Civilian Labor Force | | | | | Nonagricultural Wage & Salary Employment | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Employed | | | | | Manufacturing Employment | | | | |
| | | Unemployed | | | | | Manufacturing Production Workers | | | |
| | | Total | Rate | | | | | Hours and Earnings | | |
| | | | | | | | | Average Weekly Earnings | Average Weekly Hours | Average Hourly Earnings |
| INA | INA | INA | INA | 1976 | 370.7 | 116.3 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1977 | 383.8 | 121.8 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1978 | 401.1 | 125.0 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1979 | 408.8 | 122.5 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1980 | 397.1 | 110.9 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1981 | 393.2 | 109.9 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1982 | 374.3 | 97.3 | INA | INA | INA | INA |
| 438.5 | 391.9 | 46.6 | 10.6 | 1983 | 372.3 | 95.5 | INA | INA | INA | INA |
| 440.1 | 404.8 | 35.2 | 8.0 | 1984 | 392.7 | 103.7 | 67.7 | $480.99 | 42.9 | $11.21 |
| 450.4 | 418.1 | 32.4 | 7.2 | 1985 | 408.9 | 106.3 | 69.1 | 517.10 | 43.2 | 11.97 |
| 462.0 | 431.6 | 30.4 | 6.6 | 1986 | 420.9 | 106.1 | 68.4 | 514.88 | 42.8 | 12.03 |
| | | | | 1986 | | | | | | |
| 463.0 | 432.5 | 30.5 | 6.6 | August | 420.6 | 106.5 | 68.1 | 502.25 | 42.1 | 11.93 |
| 459.6 | 428.0 | 31.6 | 6.9 | September | 427.6 | 106.8 | 68.8 | 516.52 | 42.9 | 12.04 |
| 467.0 | 437.8 | 29.2 | 6.3 | October | 429.7 | 106.4 | 68.5 | 502.74 | 42.0 | 11.97 |
| 470.2 | 441.9 | 28.3 | 6.0 | November | 431.2 | 106.3 | 68.8 | 505.83 | 42.4 | 11.93 |
| 468.0 | 437.9 | 30.0 | 6.4 | December | 432.1 | 106.5 | 69.0 | 509.32 | 42.8 | 11.90 |
| | | | | 1987 | | | | | | |
| 460.5 | 429.6 | 30.9 | 6.7 | January | 423.9 | 105.8 | 68.4 | 500.22 | 42.0 | 11.91 |
| 462.2 | 428.7 | 33.5 | 7.2 | February | 423.9 | 105.1 | 67.9 | 505.56 | 42.2 | 11.98 |
| 457.8 | 430.1 | 27.7 | 6.1 | March | 426.2 | 104.9 | 67.5 | 494.15 | 41.7 | 11.85 |
| 462.4 | 436.4 | 26.0 | 5.6 | April | 431.4 | 105.2 | 68.0 | 486.10 | 41.3 | 11.77 |
| 466.0 | 439.2 | 26.7 | 5.7 | May | 433.8 | 104.7 | 67.5 | 486.04 | 41.4 | 11.74 |
| 467.3 | 439.0 | 28.4 | 6.1 | June | 433.5 | 104.7 | 67.3 | 502.18 | 42.2 | 11.90 |
| 467.3 | 442.5 | 24.8 | 5.3 | July | 428.7 | 104.1 | 66.1 | 492.19 | 41.5 | 11.86 |
| 465.3 | 438.5 | 26.8 | 5.8 | August | 431.4 | 104.6 | 66.7 | 492.89 | 41.7 | 11.82 |
| INA | INA | INA | INA | September | 437.5 | 105.4 | 67.8 | 490.12 | 41.5 | 11.81 |

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



## Nonagricultural Wage & Salary Employment[a]

Dayton-Springfield MSA

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | September 1987[b] | August 1987[c] | September 1986[c] | From Last Month | From Last Year |
| **TOTAL** | 437.5 | 431.4 | 427.6 | 6.0 | 9.9 |
| **MANUFACTURING** | 105.4 | 104.6 | 106.8 | .7 | - 1.4 |
| Durable Goods[e] | 75.8 | 75.2 | 77.2 | .7 | - 1.4 |
| Fabricated metal products | 8.1 | 8.2 | 8.4 | .0 | - .3 |
| Machinery, except electrical | 30.4 | 30.2 | 31.6 | .2 | - 1.2 |
| Metalworking machinery | 6.5 | 6.5 | 6.9 | .1 | - .3 |
| General industrial machinery | 2.6 | 2.5 | 2.6 | .1 | - .1 |
| Electric and electronic equipment | 6.1 | 6.1 | 5.7 | .0 | .4 |
| Electrical industrial apparatus | 3.6 | 3.6 | 3.3 | .0 | .3 |
| Transportation equipment | 21.4 | 20.9 | 22.1 | .4 | - .8 |
| Nondurable Goods[f] | 29.6 | 29.5 | 29.6 | .1 | .0 |
| Food and kindred products | 3.2 | 3.1 | 2.9 | .1 | .2 |
| Paper and allied products | 6.2 | 6.1 | 5.7 | .1 | .5 |
| Printing and publishing | 8.7 | 8.7 | 8.5 | .0 | .2 |
| Rubber and misc. plastics products | 7.7 | 7.8 | 8.6 | - .1 | - .9 |
| **NONMANUFACTURING[g]** | 332.1 | 326.8 | 320.8 | 5.3 | 11.3 |
| CONSTRUCTION | 20.1 | 20.3 | 17.0 | - .1 | 3.1 |
| TRANSPORTATION AND PUBLIC UTILITIES | 15.1 | 15.2 | 14.9 | .0 | .2 |
| Communication, electric, gas services | 5.7 | 5.7 | 6.1 | .0 | - .4 |
| WHOLESALE TRADE | 19.2 | 19.1 | 19.0 | .1 | .2 |
| Wholesale trade-durable goods | 13.3 | 13.2 | 12.9 | .1 | .4 |
| RETAIL TRADE | 79.6 | 79.3 | 77.1 | .3 | 2.5 |
| General merchandise stores | 11.4 | 11.2 | 11.6 | .1 | - .3 |
| FINANCE, INSURANCE, AND REAL ESTATE | 18.0 | 18.2 | 17.6 | - .2 | .4 |
| Banking | 4.4 | 4.4 | 4.3 | .0 | .1 |
| Credit agencies other than banks | 4.6 | 4.6 | 4.6 | .0 | .0 |
| Insurance carriers | 2.7 | 2.7 | 2.9 | .0 | - .2 |
| SERVICES | 108.1 | 107.1 | 103.0 | 1.0 | 5.1 |
| Business services | 27.2 | 27.0 | 24.7 | .1 | 2.4 |
| Health services | 36.0 | 35.9 | 34.8 | .0 | 1.2 |
| Hospitals | 18.5 | 18.5 | 18.1 | .0 | .5 |
| Educational services | 6.4 | 4.4 | 6.9 | 2.0 | - .5 |
| GOVERNMENT | 71.5 | 67.1 | 71.8 | 4.4 | - .3 |
| Federal government | 28.4 | 28.3 | 28.0 | .1 | .4 |
| State government | 6.5 | 6.4 | 6.1 | .1 | .4 |
| State government education[1] | 3.6 | 3.4 | 3.4 | .2 | .1 |
| State government, except education | 2.9 | 3.0 | 2.7 | - .1 | .3 |
| Local government | 36.6 | 32.4 | 37.7 | 4.2 | - 1.1 |
| Local government education | 21.8 | 17.3 | 23.1 | 4.6 | - 1.3 |
| Local government, except education | 14.7 | 15.1 | 14.6 | - .4 | .2 |

## Hours & Earnings of Production or Nonsupervisory Workers[a]

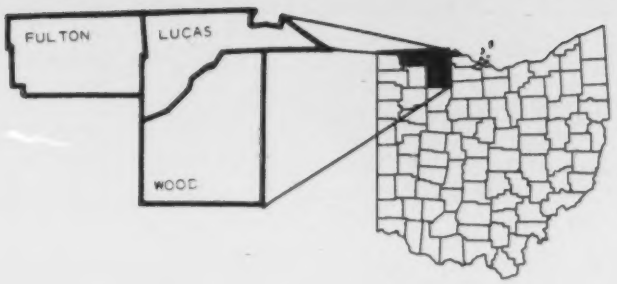
| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] |
| MANUFACTURING | $490.12 | $492.89 | $516.52 | 41.5 | 41.7 | 42.9 | $11.81 | $11.82 | $12.04 |
| Durable Goods[e] | 500.08 | 501.18 | 532.16 | 41.5 | 41.8 | 43.3 | 12.05 | 11.99 | 12.29 |
| Fabricated metal products | 371.33 | 379.03 | 367.54 | 39.8 | 40.8 | 40.3 | 9.33 | 9.29 | 9.12 |
| Machinery, except electrical | 541.86 | 541.45 | 568.76 | 42.3 | 42.4 | 44.4 | 12.81 | 12.77 | 12.81 |
| Metalworking machinery | 532.80 | 542.39 | 550.24 | 44.4 | 44.9 | 46.2 | 12.00 | 12.08 | 11.91 |
| General industrial machinery | 446.89 | 453.36 | 440.79 | 40.7 | 41.9 | 42.1 | 10.98 | 10.82 | 10.47 |
| Electric and electronic equipment | 429.87 | 428.54 | 402.86 | 44.5 | 44.5 | 43.6 | 9.66 | 9.63 | 9.24 |
| Electrical industrial apparatus | 506.69 | 493.77 | 487.76 | 46.4 | 45.3 | 45.5 | 10.92 | 10.90 | 10.72 |
| Transportation equipment | 588.96 | 588.55 | 642.26 | 41.1 | 41.1 | 43.9 | 14.33 | 14.32 | 14.63 |
| Nondurable Goods[f] | 460.78 | 468.23 | 470.67 | 41.4 | 41.4 | 41.8 | 11.13 | 11.31 | 11.26 |
| Food and kindred products | 408.97 | 365.50 | 335.37 | 46.9 | 43.0 | 40.7 | 8.72 | 8.50 | 8.24 |
| Paper and allied products | 501.73 | 499.32 | 465.30 | 46.2 | 45.6 | 45.0 | 10.86 | 10.95 | 10.34 |
| Printing and publishing | 452.48 | 435.57 | 423.60 | 40.4 | 39.1 | 39.7 | 11.20 | 11.14 | 10.67 |
| Rubber and misc. plastics products | 513.28 | 558.18 | 584.44 | 36.9 | 39.7 | 41.1 | 13.91 | 14.06 | 14.22 |
| TRANSPORTATION AND PUBLIC UTILITIES | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Communication, electric, gas services | 548.37 | 545.40 | 531.15 | 40.5 | 40.4 | 40.3 | 13.54 | 13.50 | 13.18 |
| WHOLESALE TRADE | 431.95 | 422.18 | 391.38 | 42.1 | 41.8 | 40.1 | 10.26 | 10.10 | 9.76 |
| RETAIL TRADE[h] | 163.02 | 160.43 | 160.37 | 28.6 | 28.7 | 29.0 | 5.70 | 5.59 | 5.53 |
| SERVICES | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Health services | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Hospitals | 362.82 | 363.55 | 339.97 | 34.1 | 34.2 | 33.2 | 10.64 | 10.63 | 10.24 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

## Selected Administrative Program Activities

| | September 1987 | August 1987 | September 1986 |
|---|---|---|---|
| **Employment Service Program** | | | |
| New Applicants | 2,525 | 2,551 | 2,614 |
| Active File of Job Seekers | 19,167 | 21,533 | 25,318 |
| Referrals to Jobs | 1,347 | 1,291 | 1,232 |
| Placements | 288 | 370 | 259 |
| Job Openings Received | 822 | 988 | 1,215 |
| Job Openings Unfilled | 2,163 | 1,930 | 1,644 |
| **Unemployment Insurance Program** | | | |
| Initial Claims | 2,695 | 7,739 | 3,044 |
| Continued Claims | 21,110 | 27,301 | 22,825 |
| First Payments | 1,299 | 1,957 | 1,319 |
| Last Payments | 335 | 432 | 417 |
| Weeks Compensated | 17,303 | 20,095 | 17,290 |
| Benefits Paid | $2,400,425 | $2,790,387 | $2,344,041 |
| Average Weekly Payment | $141.73 | $141.68 | $138.80 |

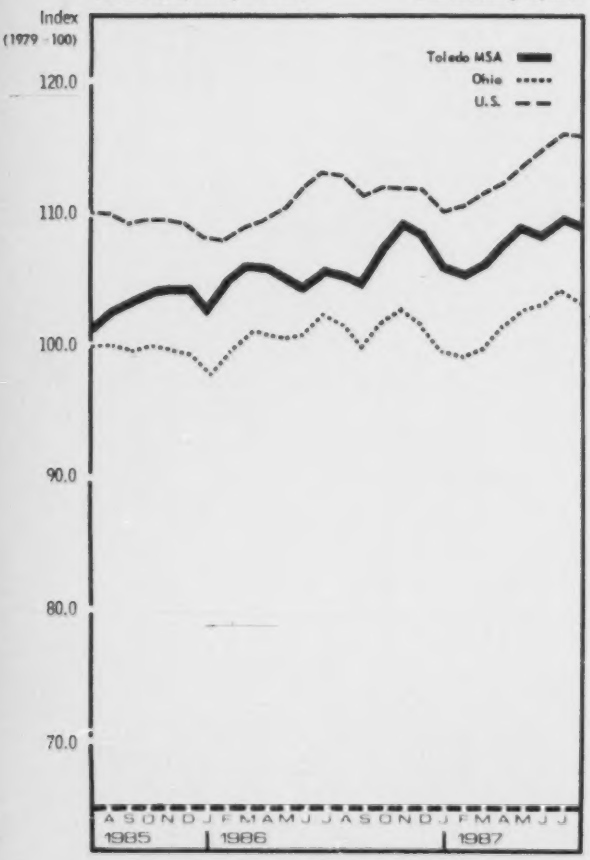
# TOLEDO
## METROPOLITAN STATISTICAL AREA



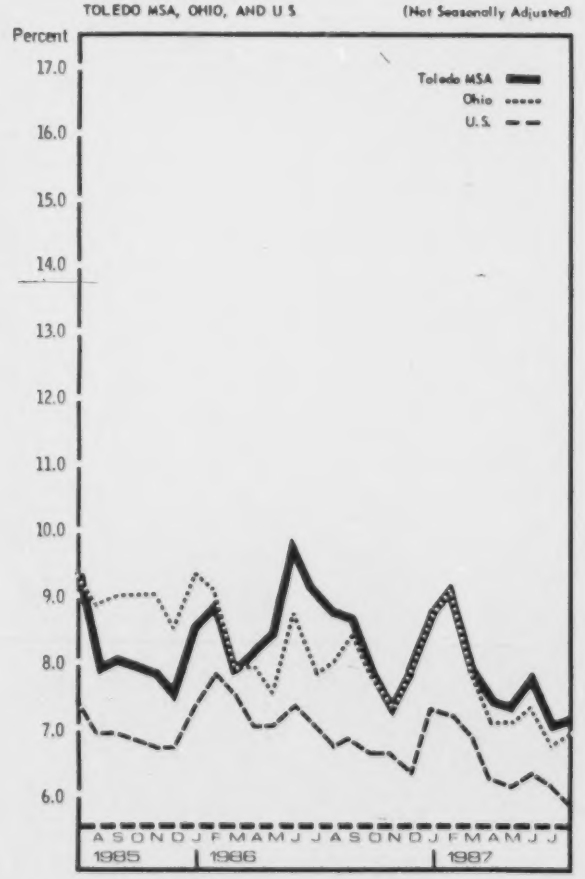

The Toledo MSA nonagricultural payroll employment was up 5,900 from August, to 288,800 in September. The return of personnel to state and local schools and colleges accounted for most of the increase. Scattered gains in most durable-goods industries helped boost manufacturing employment 500, to 63,200. Production workers in manufacturing earned an average of $12.68 per hour in September, up $.07 from August. Their average workweek rose .2 hours, to 42.6 hours.

Increases in services, especially health and business services, retail trade, and construction were responsible for raising the nonfarm wage and salary employment in the Toledo area 11,600 from the September 1986 level. Manufacturing employment declined 1,300 due to losses in stone, clay, and glass products, fabricated metal products, and electric and electronic equipment.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)




UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

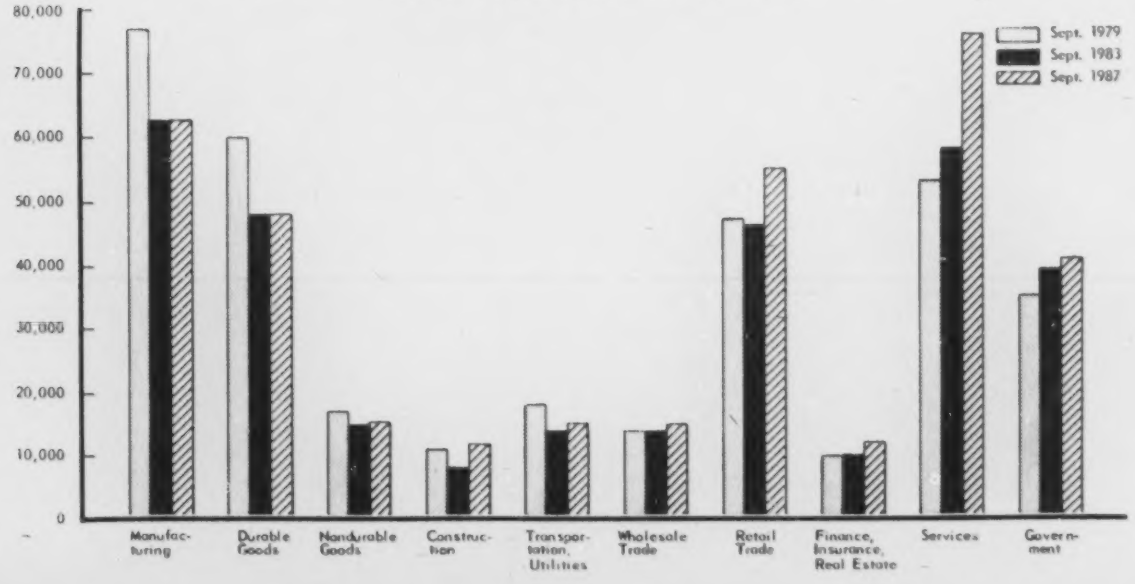


**TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA**
(Employed & Unemployed in Thousands)

| Civilian Labor Force | | | | | Nonagricultural Wage & Salary Employment | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Employed | | | | | Manufacturing Employment | | | | |
| | | Unemployed | | | | | Manufacturing Production Workers | | | |
| | | Total | Rate | | | | | Hours and Earnings | | |
| | | | | | | | | Average Weekly Earnings | Average Weekly Hours | Average Hourly Earnings |
| INA | INA | INA | INA | 1976 | 248.3 | 74.5 | INA | INA | INA | |
| INA | INA | INA | INA | 1977 | 256.3 | 77.2 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1978 | 264.7 | 79.4 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1979 | 268.2 | 77.4 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1980 | 257.0 | 66.4 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1981 | 254.2 | 65.8 | INA | INA | INA | INA |
| INA | INA | INA | INA | 1982 | 244.4 | 60.2 | INA | INA | INA | INA |
| 289.2 | 256.1 | 33.1 | 11.4 | 1983 | 245.3 | 59.6 | INA | INA | INA | INA |
| 293.5 | 267.3 | 26.2 | 8.9 | 1984 | 257.0 | 64.8 | 45.7 | $502.42 | 43.2 | $11.63 |
| 296.5 | 272.3 | 24.3 | 8.2 | 1985 | 264.5 | 65.7 | 46.2 | 523.55 | 42.6 | 12.29 |
| 308.0 | 282.2 | 25.9 | 8.4 | 1986 | 273.0 | 63.6 | 44.4 | 527.03 | 42.4 | 12.43 |
| | | | | 1986 | | | | | | |
| 308.2 | 281.2 | 26.9 | 8.7 | August | 271.5 | 64.1 | 44.7 | 519.90 | 42.2 | 12.32 |
| 305.6 | 279.3 | 26.3 | 8.6 | September | 277.3 | 64.5 | 45.3 | 524.36 | 42.7 | 12.28 |
| 311.5 | 287.2 | 24.3 | 7.8 | October | 280.0 | 63.4 | 44.2 | 531.65 | 42.6 | 12.48 |
| 314.6 | 291.9 | 22.7 | 7.2 | November | 283.0 | 63.1 | 44.5 | 524.99 | 42.1 | 12.47 |
| 313.7 | 289.1 | 24.5 | 7.8 | December | 283.4 | 63.0 | 44.5 | 538.40 | 42.9 | 12.55 |
| | | | | 1987 | | | | | | |
| 309.1 | 282.2 | 26.9 | 8.7 | January | 276.6 | 63.0 | 44.5 | 554.63 | 43.5 | 12.75 |
| 309.3 | 281.2 | 28.1 | 9.1 | February | 276.3 | 62.7 | 44.1 | 547.78 | 43.2 | 12.68 |
| 307.3 | 282.9 | 24.4 | 7.9 | March | 278.7 | 62.5 | 44.1 | 543.56 | 42.8 | 12.70 |
| 310.9 | 287.9 | 23.0 | 7.4 | April | 282.7 | 62.3 | 44.0 | 537.21 | 42.4 | 12.67 |
| 314.0 | 291.1 | 22.8 | 7.3 | May | 285.6 | 62.0 | 43.5 | 532.55 | 41.9 | 12.71 |
| 313.7 | 289.3 | 24.4 | 7.8 | June | 283.8 | 62.2 | 43.6 | 529.19 | 41.8 | 12.66 |
| 315.4 | 293.4 | 22.0 | 7.0 | July | 282.3 | 61.7 | 43.0 | 523.27 | 41.3 | 12.67 |
| 313.0 | 290.7 | 22.4 | 7.1 | August | 282.9 | 62.7 | 44.0 | 534.66 | 42.4 | 12.61 |
| INA | INA | INA | INA | September | 288.8 | 63.2 | 44.4 | 540.17 | 42.6 | 12.68 |

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



# Nonagricultural Wage & Salary Employment[a]

Toledo MSA

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | September 1987[b] | August 1987[c] | September 1986[c] | From Last Month | From Last Year |
| **TOTAL** | 288.8 | 282.9 | 277.3 | 5.9 | 11.6 |
| **MANUFACTURING** | 63.2 | 62.7 | 64.5 | .5 | - 1.3 |
| Durable Goods[e] | 48.2 | 47.7 | 49.6 | .5 | - 1.4 |
| Stone, clay, and glass products | 8.0 | 7.9 | 8.7 | .1 | - .7 |
| Primary metal industries | 3.2 | 3.1 | 3.3 | .1 | - .1 |
| Fabricated metal products | 7.2 | 7.2 | 7.6 | .1 | - .4 |
| Metal forgings and stampings | 3.1 | 3.0 | 3.2 | .1 | - .1 |
| Machinery, except electrical | 6.3 | 6.2 | 6.1 | .1 | .2 |
| Electric and electronic equipment | 2.7 | 2.7 | 3.0 | .1 | - .3 |
| Transportation equipment | 16.3 | 16.2 | 16.4 | .1 | - .2 |
| Motor vehicles and equipment | 15.4 | 15.3 | 15.4 | .1 | - .1 |
| Nondurable Goods[f] | 15.0 | 15.0 | 15.0 | .0 | .1 |
| Food and kindred products | 4.4 | 4.5 | 4.2 | - .2 | .1 |
| Rubber and misc. plastics products | 3.2 | 3.0 | 3.2 | .1 | .0 |
| **NONMANUFACTURING[g]** | 225.6 | 220.3 | 212.7 | 5.3 | 12.9 |
| CONSTRUCTION | 12.0 | 11.8 | 10.9 | .2 | 1.2 |
| TRANSPORTATION AND PUBLIC UTILITIES | 14.9 | 14.9 | 14.3 | .1 | .6 |
| Trucking and warehousing | 5.9 | 5.9 | 5.5 | .1 | .4 |
| Communication, electric, gas services | 5.1 | 5.1 | 5.1 | .0 | .0 |
| WHOLESALE TRADE | 14.7 | 14.9 | 14.5 | - .2 | .2 |
| Wholesale trade-durable goods | 9.7 | 9.8 | 9.7 | - .1 | .0 |
| RETAIL TRADE | 55.4 | 55.0 | 52.7 | .3 | 2.6 |
| General merchandise stores | 7.2 | 7.1 | 7.1 | .1 | .1 |
| FINANCE, INSURANCE, AND REAL ESTATE | 11.7 | 11.7 | 11.2 | .0 | .5 |
| Banking | 3.6 | 3.6 | 3.5 | .0 | .1 |
| SERVICES | 75.7 | 75.6 | 68.2 | .1 | 7.5 |
| Business services | 15.1 | 15.1 | 13.2 | .0 | 1.9 |
| Health services | 29.9 | 29.9 | 26.1 | .0 | 3.7 |
| Hospitals | 15.5 | 15.6 | 14.9 | - .1 | .7 |
| GOVERNMENT | 41.0 | 36.2 | 40.6 | 4.8 | .4 |
| State government | 14.5 | 11.6 | 14.4 | 2.9 | .1 |
| State government education[1] | 10.3 | 7.4 | 10.4 | 3.0 | - .1 |
| State government, except education | 4.2 | 4.2 | 4.0 | - .1 | .1 |
| Local government | 23.9 | 22.0 | 23.6 | 1.9 | .3 |
| Local government education | 13.6 | 11.3 | 13.3 | 2.4 | .4 |
| Local government, except education | 10.3 | 10.7 | 10.3 | - .4 | - .1 |

## Hours & Earnings of Production or Nonsupervisory Workers[a]

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] |
| MANUFACTURING | $540.17 | $534.66 | $524.36 | 42.6 | 42.4 | 42.7 | $12.68 | $12.61 | $12.28 |
| Durable Goods[e] | 564.07 | 562.36 | 555.56 | 42.7 | 42.7 | 43.1 | 13.21 | 13.17 | 12.89 |
| Stone, clay, and glass products | 507.58 | 485.56 | 543.42 | 41.2 | 39.8 | 43.3 | 12.32 | 12.20 | 12.55 |
| Primary metal industries | 448.67 | 464.62 | 518.85 | 40.9 | 42.2 | 45.0 | 10.97 | 11.01 | 11.53 |
| Fabricated metal products | 540.16 | 529.19 | 531.36 | 42.7 | 42.2 | 43.2 | 12.65 | 12.54 | 12.30 |
| Metal forgings and stampings | 675.42 | 662.63 | 605.93 | 45.3 | 45.2 | 44.1 | 14.91 | 14.66 | 13.74 |
| Machinery, except electrical | 490.89 | 485.41 | 463.84 | 42.1 | 42.1 | 41.6 | 11.66 | 11.53 | 11.15 |
| Electric and electronic equipment | 512.89 | 503.85 | 574.60 | 40.9 | 40.6 | 44.2 | 12.54 | 12.41 | 13.00 |
| Transportation equipment | 683.77 | 688.20 | 646.72 | 44.2 | 44.4 | 43.0 | 15.47 | 15.50 | 15.04 |
| Motor vehicles and equipment | 684.43 | 691.75 | 649.73 | 44.1 | 44.4 | 43.0 | 15.52 | 15.58 | 15.11 |
| Nondurable Goods[f] | 463.19 | 446.13 | 431.60 | 42.3 | 41.5 | 41.5 | 10.95 | 10.75 | 10.40 |
| Food and kindred products | 497.57 | 497.31 | 484.34 | 42.6 | 43.7 | 42.9 | 11.68 | 11.38 | 11.29 |
| Rubber and misc. plastics products | 353.50 | 318.39 | 313.23 | 42.9 | 39.7 | 39.7 | 8.24 | 8.02 | 7.89 |
| TRANSPORTATION AND PUBLIC UTILITIES | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Communication, electric, gas services | 615.92 | 607.57 | 637.87 | 42.1 | 41.7 | 43.9 | 14.63 | 14.57 | 14.53 |
| WHOLESALE TRADE | 357.20 | 356.25 | 352.36 | 37.6 | 37.5 | 38.3 | 9.50 | 9.50 | 9.20 |
| RETAIL TRADE[h] | 164.02 | 163.94 | 156.85 | 29.5 | 29.7 | 29.1 | 5.56 | 5.52 | 5.39 |

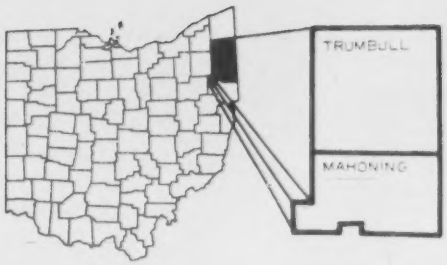
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

## Selected Administrative Program Activities

| | September 1987 | August 1987 | September 1986 |
|---|---|---|---|
| **Employment Service Program** | | | |
| New Applicants | 2,173 | 1,618 | 2,890 |
| Active File of Job Seekers | 12,890 | 17,277 | 25,421 |
| Referrals to Jobs | 1,406 | 1,409 | 2,306 |
| Placements | 748 | 637 | 1,371 |
| Job Openings Received | 974 | 703 | 1,911 |
| Job Openings Unfilled | 1,110 | 1,584 | 1,304 |
| **Unemployment Insurance Program** | | | |
| Initial Claims | 3,237 | 3,140 | 3,121 |
| Continued Claims | 21,784 | 22,663 | 23,955 |
| First Payments | 857 | 1,208 | 899 |
| Last Payments | 325 | 334 | 490 |
| Weeks Compensated | 16,266 | 17,238 | 17,432 |
| Benefits Paid | $2,316,646 | $2,413,759 | $2,544,866 |
| Average Weekly Payment | $145.41 | $142.95* | $149.62 |

*Revised

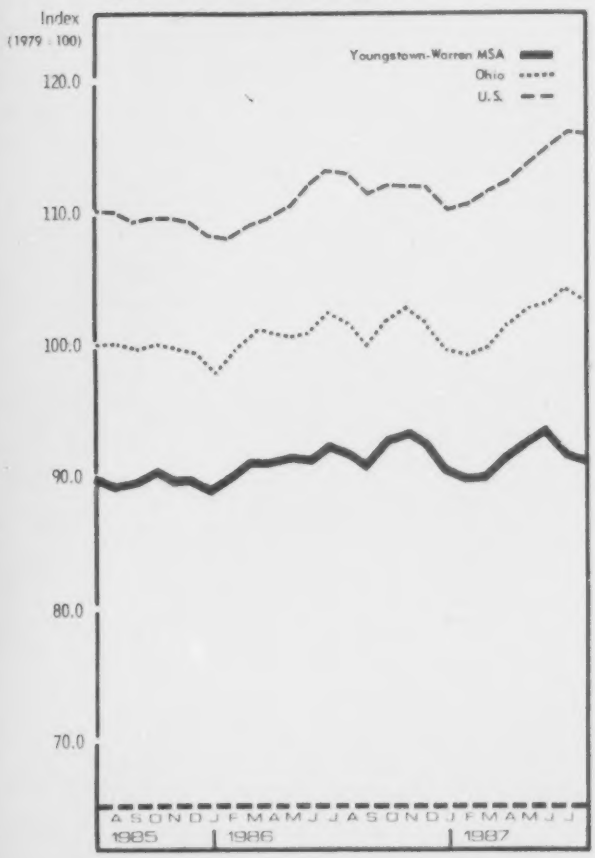
# YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



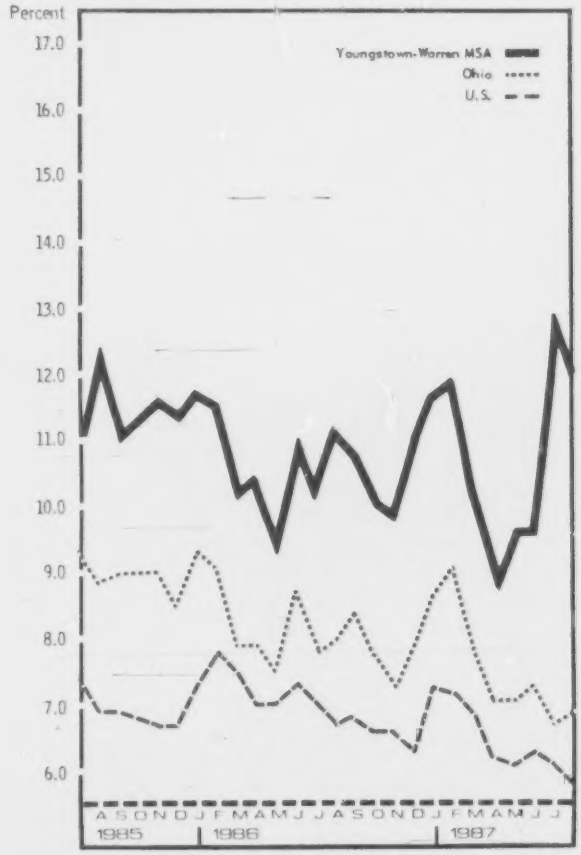

Nonagricultural wage and salary employment in the Youngstown-Warren area, at 195,700 in September, was up 6,400 from August. Gains in transportation equipment and primary metal industries raised manufacturing employment 4,800, to 52,500 in September. Local government education and services also showed significant increases. The average hourly earnings of manufacturing production workers rose $.60 from August, to $13.64 in September. Their average workweek of 43.6 hours was 1.5 hours longer.

Since September 1986, nonfarm salary employment has gone up 4,600. Nearly all of the increase has been in nonmanufacturing, with construction, services, and retail trade having the most substantial gains. Increases in primary metal industries and fabricated metal products were mostly offset by losses in other durable-goods industries, raising manufacturing employment 200 over the year.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)




UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

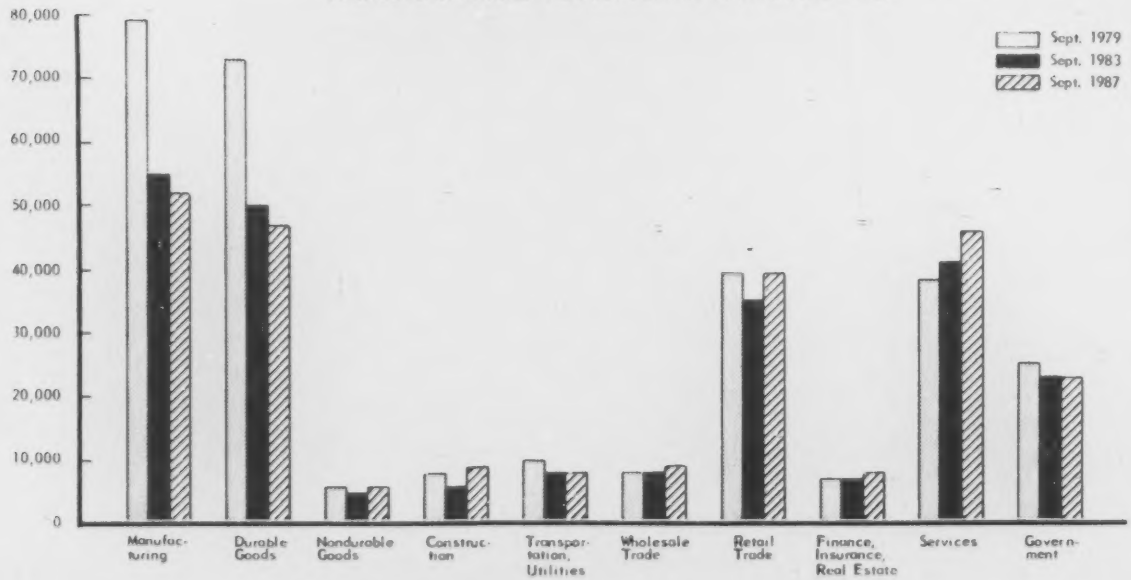


**YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA**
(Employed & Unemployed in Thousands)

| Civilian Labor Force | | | | | Nonagricultural Wage & Salary Employment | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Employed | | | | | Manufacturing Employment | | | | |
| | | Unemployed | | | | | Manufacturing Production Workers | | | |
| | | Total | Rate | | | | | Hours and Earnings | | |
| | | | | | | | | Average Weekly Earnings | Average Weekly Hours | Average Hourly Earnings |
| 234.2 | 210.5 | 23.7 | 10.1 | 1976 | 203.5 | 80.6 | 63.3 | $277.29 | 39.5 | $ 7.02 |
| 234.0 | 215.0 | 19.0 | 8.1 | 1977 | 208.0 | 81.1 | 63.6 | 313.50 | 40.4 | 7.76 |
| 235.2 | 217.5 | 17.7 | 7.5 | 1978 | 210.3 | 79.4 | 62.5 | 353.56 | 41.4 | 8.54 |
| 237.1 | 219.9 | 17.1 | 7.2 | 1979 | 213.9 | 79.9 | 62.5 | 377.29 | 40.7 | 9.27 |
| 238.9 | 210.5 | 28.4 | 11.9 | 1980 | 203.1 | 70.8 | 54.1 | 409.77 | 39.9 | 10.27 |
| 234.0 | 205.7 | 28.2 | 12.1 | 1981 | 198.7 | 67.3 | 50.8 | 474.10 | 40.8 | 11.62 |
| 237.0 | 190.3 | 46.6 | 19.7 | 1982 | 180.6 | 52.9 | 38.1 | 460.60 | 39.3 | 11.72 |
| 225.6 | 188.1 | 37.5 | 16.6 | 1983 | 177.5 | 52.8 | 36.6 | 521.20 | 42.1 | 12.38 |
| 222.2 | 195.9 | 26.3 | 11.8 | 1984 | 182.5 | 55.1 | 41.8 | 555.97 | 43.3 | 12.84 |
| 221.3 | 196.3 | 25.0 | 11.3 | 1985 | 184.2 | 52.7 | 39.6 | 570.64 | 43.1 | 13.24 |
| 224.9 | 201.1 | 23.8 | 10.6 | 1986 | 188.2 | 52.0 | 38.9 | 553.28 | 41.6 | 13.30 |
| | | | | 1986 | | | | | | |
| 226.7 | 201.4 | 25.2 | 11.1 | August | 187.8 | 51.5 | 38.5 | 541.03 | 41.3 | 13.10 |
| 223.2 | 199.4 | 23.8 | 10.7 | September | 191.1 | 52.3 | 39.4 | 557.69 | 41.9 | 13.31 |
| 226.4 | 203.7 | 22.7 | 10.0 | October | 191.7 | 52.3 | 39.5 | 544.75 | 41.3 | 13.19 |
| 227.6 | 205.2 | 22.4 | 9.8 | November | 191.9 | 52.2 | 39.3 | 558.11 | 41.9 | 13.32 |
| 228.7 | 203.6 | 25.1 | 11.0 | December | 192.5 | 52.2 | 39.5 | 579.58 | 42.9 | 13.51 |
| | | | | 1987 | | | | | | |
| 224.7 | 198.8 | 26.0 | 11.6 | January | 187.9 | 51.1 | 38.4 | 577.37 | 42.8 | 13.49 |
| 224.2 | 197.4 | 26.8 | 11.9 | February | 187.2 | 51.1 | 38.3 | 580.13 | 43.1 | 13.46 |
| 220.5 | 198.1 | 22.4 | 10.2 | March | 188.6 | 51.4 | 38.8 | 579.79 | 43.3 | 13.39 |
| 221.0 | 201.7 | 19.3 | 8.7 | April | 191.3 | 51.6 | 38.9 | 571.94 | 43.1 | 13.27 |
| 225.5 | 204.0 | 21.6 | 9.6 | May | 193.3 | 50.9 | 38.2 | 565.78 | 42.7 | 13.25 |
| 227.2 | 205.5 | 21.8 | 9.6 | June | 194.8 | 51.1 | 38.3 | 566.67 | 42.8 | 13.24 |
| 231.2 | 201.4 | 29.8 | 12.9 | July | 187.2 | 45.5 | 32.8 | 541.80 | 42.0 | 12.90 |
| 227.8 | 200.5 | 27.3 | 12.0 | August | 189.3 | 47.7 | 35.1 | 548.98 | 42.1 | 13.04 |
| INA | INA | INA | INA | September | 195.7 | 52.5 | 39.5 | 594.70 | 43.6 | 13.64 |

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



## Nonagricultural Wage & Salary Employment[a]

Youngstown-Warren MSA

| | Employment (in thousands) | | | Change[d] (in thousands) | |
|---|---|---|---|---|---|
| | September 1987[b] | August 1987[c] | September 1986[c] | From Last Month | From Last Year |
| TOTAL | 195.7 | 189.3 | 191.1 | 6.4 | 4.6 |
| MANUFACTURING | 52.5 | 47.7 | 52.3 | 4.8 | .2 |
| Durable Goods[e] | 46.9 | 42.3 | 46.8 | 4.6 | .1 |
| Primary metal industries | 20.4 | 19.6 | 19.9 | .8 | .4 |
| Blast furnace and basic steel products | 6.7 | 6.7 | 6.3 | .0 | .4 |
| Fabricated metal products | 7.8 | 7.7 | 7.5 | .1 | .2 |
| Machinery, except electrical | 3.4 | 3.4 | 3.7 | .0 | - .3 |
| Electric and electronic equipment | 2.2 | 2.3 | 2.4 | .0 | - .2 |
| Transportation equipment | 9.8 | 6.0 | 10.0 | 3.8 | - .2 |
| Nondurable Goods[f] | 5.6 | 5.4 | 5.5 | .2 | .0 |
| NONMANUFACTURING[g] | 143.3 | 141.6 | 138.8 | 1.6 | 4.5 |
| CONSTRUCTION | 9.2 | 9.4 | 7.8 | - .2 | 1.4 |
| TRANSPORTATION AND PUBLIC UTILITIES | 8.2 | 8.1 | 8.0 | .1 | .2 |
| Communication, electric, gas services | 3.1 | 3.1 | 3.2 | .0 | - .1 |
| WHOLESALE TRADE | 9.5 | 9.5 | 9.1 | .0 | .4 |
| Wholesale trade-durable goods | 6.0 | 6.0 | 5.9 | .0 | .1 |
| RETAIL TRADE | 38.6 | 38.6 | 37.6 | .0 | 1.0 |
| General merchandise stores | 5.5 | 5.6 | 5.6 | - .1 | .0 |
| FINANCE, INSURANCE, AND REAL ESTATE | 8.5 | 8.5 | 8.1 | .0 | .4 |
| Banking | 2.8 | 2.8 | 2.8 | .0 | .0 |
| SERVICES | 45.7 | 45.2 | 44.6 | .5 | 1.1 |
| Health services | 20.1 | 20.2 | 19.4 | .0 | .7 |
| Hospitals | 10.4 | 10.4 | 10.5 | .0 | - .1 |
| GOVERNMENT | 22.9 | 21.6 | 23.0 | 1.3 | - .1 |
| State government | 3.3 | 3.3 | 3.2 | - .1 | .1 |
| State government education[i] | 1.7 | 1.7 | 1.7 | .0 | .1 |
| State government, except education | 1.5 | 1.6 | 1.5 | - .1 | .0 |
| Local government | 17.6 | 16.2 | 17.8 | 1.4 | - .2 |
| Local government education | 11.1 | 9.6 | 11.2 | 1.4 | - .2 |
| Local government, except education | 6.5 | 6.6 | 6.5 | .0 | .0 |

## Hours & Earnings of Production or Nonsupervisory Workers[a]

| | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] | Sept. 1987[b] | Aug. 1987[c] | Sept. 1986[c] |
| MANUFACTURING | $594.70 | $548.98 | $557.69 | 43.6 | 42.1 | 41.9 | $13.64 | $13.04 | $13.31 |
| Durable Goods[e] | 611.53 | 563.86 | 577.30 | 43.9 | 42.3 | 42.2 | 13.93 | 13.33 | 13.68 |
| Primary metal industries | 666.45 | 624.52 | 598.23 | 45.0 | 43.1 | 41.4 | 14.81 | 14.49 | 14.45 |
| Blast furnace and basic steel products | 635.25 | 620.14 | 624.55 | 46.2 | 45.2 | 42.4 | 13.75 | 13.72 | 14.73 |
| Fabricated metal products | 520.80 | 512.40 | 538.74 | 40.0 | 40.0 | 41.0 | 13.02 | 12.81 | 13.14 |
| Machinery, except electrical | 469.74 | 482.98 | 461.95 | 40.6 | 41.6 | 40.7 | 11.57 | 11.61 | 11.35 |
| Electric and electronic equipment | 421.09 | 431.82 | 429.07 | 37.8 | 39.4 | 40.1 | 11.14 | 10.96 | 10.70 |
| Transportation equipment | 709.96 | 618.87 | 683.09 | 46.8 | 44.3 | 45.6 | 15.17 | 13.97 | 14.98 |
| Nondurable Goods[f] | 431.39 | 412.23 | 365.66 | 41.4 | 40.1 | 38.9 | 10.42 | 10.28 | 9.40 |
| TRANSPORTATION AND PUBLIC UTILITIES | ..... | ..... | ..... | .... | .... | .... | ..... | ..... | ..... |
| Communication, electric, gas services | 557.03 | 557.03 | 533.68 | 40.6 | 40.6 | 40.4 | 13.72 | 13.72 | 13.21 |
| WHOLESALE TRADE | 341.71 | 334.88 | 329.84 | 37.8 | 37.5 | 38.0 | 9.04 | 8.93 | 8.68 |
| RETAIL TRADE[h] | 174.04 | 173.75 | 167.24 | 29.3 | 29.3 | 29.6 | 5.94 | 5.93 | 5.65 |

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

## Selected Administrative Program Activities

| | September 1987 | August 1987 | September 1986 |
|---|---|---|---|
| **Employment Service Program** | | | |
| New Applicants | 2,067 | 2,362 | 2,575 |
| Active File of Job Seekers | 17,771 | 18,953 | 31,857 |
| Referrals to Jobs | 1,670 | 1,919 | 1,477 |
| Placements | 261 | 876 | 473 |
| Job Openings Received | 615 | 984 | 657 |
| Job Openings Unfilled | 897 | 630 | 664 |
| **Unemployment Insurance Program** | | | |
| Initial Claims | 3,170 | 3,292 | 3,681 |
| Continued Claims | 18,294 | 31,835 | 19,401 |
| First Payments | 973 | 4,750 | 1,023 |
| Last Payments | 309 | 328 | 326 |
| Weeks Compensated | 15,007 | 28,527 | 15,956 |
| Benefits Paid | $2,025,944 | $4,660,409 | $2,184,907 |
| Average Weekly Payment | $139.90 | $165.94 | $142.24 |

# Technical Notes

### Civilian Labor Force Estimates

**Civilian Labor Force.**—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

**Total Employed.**—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

**Total Unemployed.**—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

### Nonagricultural Wage and Salary Employment

**Collection.**—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

**Industrial Classification.**—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

**Coverage.**—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

| Industry Division | Approximate Percentage Covered by Sample |
|---|---|
| Total | 40 |
| Manufacturing | 56 |
| Nonmanufacturing | 35 |
| Mining | 56 |
| Construction | 17 |
| Transportation and Public Utilities | 43 |
| Wholesale Trade | 19 |
| Retail Trade | 20 |
| Finance, Insurance, and Real Estate | 42 |
| Services and Miscellaneous | 26 |
| Government | 70 |

**Nonagricultural Employment.**—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

**Estimating Method.**—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

**Benchmark Data.**—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark.

### Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

### Hours and Earnings

**Method of Computing Averages.**—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

**Definitions.**—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

*Production Workers.*—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

*Nonsupervisory Workers.*—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

*Payroll.*—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

*Hours.*—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

## Selected Employment Service Activities

| | September 1987 | August 1987 | September 1986 |
|---|---|---|---|
| New Applicants | 40,724 | 40,304 | 48,712 |
| Active File of Job Seekers | 270,888 | 288,038 | 397,875 |
| Counseling Interviews | 1,073 | 1,243 | 1,800 |
| Tests Administered | 3,584 | 2,897 | 2,903 |
| General Aptitude Tests | 146 | 369 | 179 |
| Proficiency Tests | 495 | 556 | 739 |
| Specific Aptitude Tests | 891 | 517 | 300 |
| Referrals to Jobs | 26,887 | 28,897 | 29,775 |
| Placements | 7,808 | 9,417 | 14,672 |
| Job Openings Received | 14,037 | 16,847 | 21,545 |
| Job Openings Unfilled | 24,185 | 25,903 | 28,778 |

## Selected Unemployment Insurance Activities

| | September 1987 | August 1987 | September 1986 |
|---|---|---|---|
| Initial Claims | 43,944 | 53,967 | 62,981 |
| Continued Claims | 338,667 | 362,485 | 408,594 |
| First Payments | 17,634 | 24,915 | 18,696 |
| Last Payments | 5,642 | 6,340 | 7,224 |
| Average Weekly Claimants | 74,932 | 89,491 | 92,434 |
| Average Weekly Benefit Recipients | 60,664 | 71,759 | 73,029 |
| Weeks Compensated | 262,226 | 295,614 | 296,186 |
| Benefits Paid | $37,742,851 | $43,051,073 | $42,933,166 |
| Average Weekly Payment | $147.53 | $148.81 | $148.77 |
| Continued Claims for Survey Week | 76,033 | 83,063 | 90,358 |
| Insured Unemployment Rate | 1.8 | 2.1 | 2.2 |
| Net Contributions | $5,135,115 | $161,295,796 | $4,977,117 |
| Active Employer Accounts | 196,665 | 195,513 | 193,539 |

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# Ohio Labor Market Information Review

October 1987

**Summary**. Ohio's seasonally adjusted unemployment rate rose from 5.5 percent in September, to 5.8 percent in October. The national rate increased slightly, to 6.0 percent. Total employment in Ohio, at 4,876,000, was up 11,000 from September. There were 300,000 jobless Ohioans in October, up 17,000 from the previous month. Seasonally adjusted nonagricultural payroll employment in Ohio advanced 10,000 from September, to 4,608,000. (See page 3.)

**Factory Employment.** Following two consecutive months of improvement, manufacturing employment in Ohio declined 2,000 from September, to 1,091,000 in October. Employment in durable-goods industries, at 733,000, was down 3,000 from September. Nondurable-goods employment increased 2,000, to 358,000.

**Nonmanufacturing.** Nonmanufacturing employment in Ohio totaled 3,516,000, up 11,000 from September. The largest increases were in services and government, up 4,000 and 3,000, respectively. Construction rose 2,000, while wholesale trade, retail trade, and finance, insurance, and real estate each gained 1,000. Employment in mining and transportation and public utilities was unchanged from September.

**Over the Year.** Total employment in Ohio advanced 66,000 from October 1986 to October 1987. The unemployment rate fell from 7.7 percent to 5.8 percent during the same period, as the number of unemployed declined 104,000. For the U.S., the unemployment rate dropped from 6.9 percent to 6.0 percent. Nonfarm wage and salary employment increased 111,000 since October 1986. The largest gains were in services (+55,000) and retail trade (+25,000). All other nonmanufacturing divisions had small-to-moderate increases except mining, which was down 1,000. Manufacturing employment fell 3,000 over the year as a loss of 6,000 in durable goods was partially offset by a gain of 3,000 in nondurable goods.

**Factory Hours and Earnings.** Factory production workers in Ohio's manufacturing industries had average weekly earnings of $505.79 in October, up $5.67 from September. Their average workweek increased .3 hours, to 42.9 hours. Increased overtime raised earnings in motor vehicles and equipment, miscellaneous plastics products, and metal forgings and stampings. Blast furnace and basic steel products and nonferrous rolling and drawing mills had lower earnings due to reduced overtime.

**Benefits and Costs.** Initial claims filed under the Ohio Unemployment Compensation Law numbered 47,415 in October, up 7.9 percent from September, but down 25.9 percent from October 1986. The amount of benefits paid rose 8.0 percent, to $40.8 million. The average weekly benefit check of $151.00 was $3.47 higher than in September. There was a 2.2 percent decrease in the average weekly number of benefit recipients, to 59,312. At the end of October, there were 197,506 active employer accounts.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor  Dr. Roberta Steinbacher, Administrator

**Employment Service.** The Ohio Bureau of Employment Services helped 45,283 new job applicants in October, up 11.2 percent from September, but down 4.5 percent from October 1986. Job openings received from employers increased 9.3 percent from September, to 15,342. The Employment Services Division made 31,324 referrals to jobs with 9,231 placements.

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The U.S. Department of Labor has designated Labor Surplus Areas for the period October 1, 1987 through September 30, 1988.

See pages 14 and 15 for listings of cities and counties.

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# Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

| | Estimates (in thousands) | | | Change[b] (in thousands) | | Percent Change[c] | |
|---|---|---|---|---|---|---|---|
| | Oct. 1987 | Sep. 1987 | Oct. 1986 | From Last Month | From Last Year | From Last Month | From Last Year |
| **Household Survey Data[d]** | | | | | | | |
| Civilian Labor Force | 5,176 | 5,148 | 5,214 | 28 | -38 | 0.5 | -0.7 |
| Employment | 4,876 | 4,865 | 4,810 | 11 | 66 | 0.2 | 1.4 |
| Unemployment | 300 | 283 | 404 | 17 | -104 | 6.0 | -25.7 |
| Unemployment Rate | 5.8 | 5.5 | 7.7 | | | | |
| **Employer Survey Data[e]** | | | | | | | |
| Total | 4,608 | 4,598 | 4,497 | 10 | 111 | 0.2 | 2.5 |
| Manufacturing | 1,091 | 1,093 | 1,094 | -2 | -3 | -0.2 | -0.3 |
| Durable Goods | 733 | 736 | 739 | -3 | -6 | -0.5 | -0.9 |
| Nondurable Goods | 358 | 357 | 355 | 2 | 3 | 0.5 | 0.9 |
| Nonmanufacturing | 3,516 | 3,505 | 3,402 | 11 | 114 | 0.3 | 3.3 |
| Mining | 20 | 20 | 22 | 0 | -1 | -0.5 | -6.0 |
| Construction | 177 | 175 | 162 | 2 | 14 | 0.9 | 8.7 |
| Transportation and Public Utilities | 210 | 210 | 209 | 0 | 1 | -0.1 | 0.4 |
| Wholesale Trade | 253 | 251 | 247 | 1 | 5 | 0.5 | 2.1 |
| Retail Trade | 857 | 856 | 831 | 1 | 25 | 0.1 | 3.1 |
| Finance, Insurance, and Real Estate | 245 | 244 | 236 | 1 | 10 | 0.3 | 4.1 |
| Services | 1,068 | 1,063 | 1,013 | 4 | 55 | 0.4 | 5.4 |
| Government | 688 | 685 | 682 | 3 | 5 | 0.4 | 0.8 |
| Goods Producing Industries[f] | 1,288 | 1,288 | 1,278 | 0 | 10 | -0.0 | 0.8 |
| Service Producing Industries[g] | 3,320 | 3,310 | 3,218 | 10 | 101 | 0.3 | 3.1 |

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f]Includes Mining, Construction, and Manufacturing. [g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

# Seasonally Adjusted Estimates[a]

## Ohio Civilian Labor Force Estimates

(in thousands)

| Civilian Labor Force | | | Unemployment Rate | | |
|---|---|---|---|---|---|
| Total | Employed | Unemployed | Ohio | U.S. | |
| | | | | | 1985 |
| 5,172 | 4,707 | 465 | 9.0 | 7.1 | October |
| 5,192 | 4,727 | 465 | 9.0 | 7.0 | November |
| 5,185 | 4,754 | 431 | 8.3 | 7.0 | December |
| | | | | | 1986 |
| 5,218 | 4,759 | 459 | 8.8 | 6.8 | January |
| 5,325 | 4,869 | 456 | 8.6 | 7.2 | February |
| 5,297 | 4,896 | 401 | 7.6 | 7.2 | March |
| 5,248 | 4,823 | 425 | 8.1 | 7.1 | April |
| 5,214 | 4,784 | 430 | 8.2 | 7.2 | May |
| 5,204 | 4,752 | 452 | 8.7 | 7.1 | June |
| 5,204 | 4,777 | 427 | 8.2 | 7.0 | July |
| 5,185 | 4,763 | 422 | 8.1 | 6.8 | August |
| 5,163 | 4,734 | 429 | 8.3 | 7.0 | September |
| 5,214 | 4,810 | 404 | 7.7 | 6.9 | October |
| 5,264 | 4,875 | 389 | 7.4 | 6.9 | November |
| 5,276 | 4,861 | 415 | 7.9 | 6.7 | December |
| | | | | | 1987 |
| 5,287 | 4,850 | 437 | 8.3 | 6.7 | January |
| 5,303 | 4,848 | 455 | 8.6 | 6.7 | February |
| 5,215 | 4,824 | 391 | 7.5 | 6.6 | March |
| 5,223 | 4,846 | 377 | 7.2 | 6.3 | April |
| 5,294 | 4,878 | 416 | 7.9 | 6.3 | May |
| 5,237 | 4,859 | 378 | 7.2 | 6.1 | June |
| 5,240 | 4,868 | 372 | 7.1 | 6.0 | July |
| 5,205 | 4,841 | 364 | 7.0 | 6.0 | August |
| 5,148 | 4,865 | 283 | 5.5 | 5.9 | September |
| 5,176 | 4,876 | 300 | 5.8 | 6.0 | October |

## Ohio Nonagricultural Wage & Salary Employment

(in thousands)

| Total Nonagricultural | Manufacturing | | | |
|---|---|---|---|---|
| | | Durable | Nondurable | |
| | | | | 1985 |
| 4,398 | 1,117 | 762 | 356 | October |
| 4,410 | 1,120 | 763 | 357 | November |
| 4,422 | 1,123 | 766 | 357 | December |
| | | | | 1986 |
| 4,438 | 1,124 | 767 | 357 | January |
| 4,440 | 1,122 | 764 | 357 | February |
| 4,440 | 1,117 | 760 | 356 | March |
| 4,459 | 1,117 | 761 | 356 | April |
| 4,464 | 1,112 | 756 | 356 | May |
| 4,466 | 1,111 | 755 | 356 | June |
| 4,472 | 1,103 | 749 | 354 | July |
| 4,484 | 1,103 | 748 | 355 | August |
| 4,488 | 1,100 | 744 | 355 | September |
| 4,497 | 1,094 | 739 | 355 | October |
| 4,517 | 1,103 | 747 | 356 | November |
| 4,532 | 1,106 | 750 | 356 | December |
| | | | | 1987 |
| 4,556 | 1,106 | 748 | 358 | January |
| 4,564 | 1,108 | 750 | 358 | February |
| 4,563 | 1,099 | 741 | 357 | March |
| 4,570 | 1,098 | 741 | 357 | April |
| 4,572 | 1,091 | 735 | 356 | May |
| 4,567 | 1,084 | 731 | 354 | June |
| 4,569 | 1,076 | 722 | 354 | July |
| 4,587 | 1,088 | 731 | 357 | August |
| 4,598 | 1,093 | 736 | 357 | September |
| 4,608 | 1,091 | 733 | 358 | October |

## Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

| Total Nonmanufacturing | Mining | Construction | Transportation & Public Utilities | Wholesale Trade | | Retail Trade | Finance, Insurance & Real Estate | Services | Government |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1985 | | | | |
| 3,280 | 25 | 156 | 202 | 244 | October | 798 | 223 | 962 | 670 |
| 3,290 | 25 | 155 | 203 | 244 | November | 801 | 224 | 965 | 672 |
| 3,300 | 25 | 158 | 203 | 244 | December | 802 | 225 | 969 | 673 |
| | | | | | 1986 | | | | |
| 3,314 | 25 | 158 | 203 | 245 | January | 806 | 226 | 974 | 677 |
| 3,319 | 25 | 158 | 202 | 245 | February | 809 | 227 | 977 | 676 |
| 3,323 | 24 | 156 | 203 | 244 | March | 811 | 227 | 981 | 676 |
| 3,342 | 23 | 161 | 203 | 245 | April | 813 | 229 | 989 | 678 |
| 3,352 | 23 | 161 | 203 | 245 | May | 816 | 231 | 994 | 679 |
| 3,355 | 22 | 160 | 202 | 245 | June | 818 | 231 | 996 | 680 |
| 3,369 | 22 | 160 | 206 | 245 | July | 820 | 233 | 1002 | 680 |
| 3,381 | 22 | 161 | 207 | 246 | August | 824 | 234 | 1005 | 682 |
| 3,388 | 22 | 162 | 208 | 247 | September | 826 | 234 | 1008 | 682 |
| 3,402 | 22 | 162 | 209 | 247 | October | 831 | 236 | 1013 | 682 |
| 3,414 | 22 | 164 | 210 | 247 | November | 833 | 236 | 1020 | 682 |
| 3,426 | 22 | 165 | 210 | 249 | December | 836 | 237 | 1026 | 682 |
| | | | | | 1987 | | | | |
| 3,450 | 22 | 171 | 210 | 249 | January | 840 | 239 | 1032 | 687 |
| 3,456 | 21 | 171 | 211 | 249 | February | 842 | 240 | 1036 | 686 |
| 3,465 | 21 | 170 | 210 | 249 | March | 845 | 240 | 1040 | 688 |
| 3,472 | 21 | 171 | 211 | 249 | April | 846 | 242 | 1045 | 688 |
| 3,481 | 21 | 173 | 211 | 250 | May | 847 | 242 | 1050 | 689 |
| 3,483 | 20 | 174 | 210 | 249 | June | 847 | 242 | 1052 | 689 |
| 3,493 | 20 | 174 | 210 | 250 | July | 850 | 243 | 1060 | 686 |
| 3,500 | 20 | 175 | 210 | 250 | August | 853 | 244 | 1062 | 686 |
| 3,505 | 20 | 175 | 210 | 251 | September | 856 | 244 | 1063 | 685 |
| 3,516 | 20 | 177 | 210 | 253 | October | 857 | 245 | 1068 | 688 |

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the *January Review*.